Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 158 No. 5 | 30 Church Street, New York 7, N. Y. | July 31, 1950

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$$C_6H_5NH_2 + Cl_3CSCl \longrightarrow C_6H_5\text{-}N{=}C(NHC_6H_5)_2$$

to produce isothiocyanates, tri-substituted guanidines, carbylamines, tertiary aromatic amino-mercaptans, and triphenylmethane dyes, of interest to both pharmaceutical and industrial chemical manufacturers.

3. It is also a suitable intermediate in the preparation of orthocarbonates, thiophosgene and many other unrelated compounds, giving good yields.

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Oil, Paint and Drug Reporter

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U.S. Critical Materials Stockpile 50% Complete

The Munitions Board has reported to congress that purchase programs for thirteen materials for the national stockpile are either fully completed or nearly so. It added that the national stockpile of critical and strategic materials on hand and on order now amounts to a little over 50 percent of the total estimated $4,000,000,000 goal, and that appropriations now before congress will increase this to about 57 percent by June 30, 1951.

The thirteen programs fully completed or nearly so are antimony in the liquated, metal, and ore forms; metal grade bauxite, celestite, emetine, graphite (amorphous lump), hyoscine, iodine, lead, mica (muscovite splittings), quinine, and sperm oil. Four other materials—pepper, baddeleyite, rutile, and zircon—have been removed entirely from the buying list.

Buying of five materials has been suspended and will not be resumed unless a review now being made proves the need for it. These are agar, chromite (refractory grade), mercury, tantalite, and vanadium.

At present the stockpile contains materials valued at $1,556,154,352, or 38.4 percent of the total stockpile objective. An additional $495,000,000, or 12.2 percent, are on order, making a total of 50.6 percent of the total objective on hand or on order. A review of stockpile objectives for each of the materials now on the list is nearing completion.

Material Conservation Research

In the field of conservation of strategic and critical materials, the board stated that a systematic and continuing program of material conservation research is in progress. A program under the supervision of the Research and Development Board of the Department of Defense has three aims:—search for effective alternate or substitute materials; research in more effective utilization of critical materials, and continuous surveys of developments to bring to light significant new requirements for materials and to direct new weapons development along lines consistent with estimates of the availability of materials under wartime conditions.

Estimates by the Munitions Board as to the future supply of materials, estimates of future material requirements, and stockpile objectives are important factors in the planning of research on conservation and on the use of substitute materials.

Military Departments' Role

Programs for conservation of materials are actively underway in the three military departments. These include redesign to save scarce materials and the use of alternative specifications to shift from scarce materials to those that are more plentiful. As an example, the navy is at work on a program to encourage the redesign of essential parts of ships and components so as to use alternate materials, or to reduce the amount of critical material required. Asbestos and natural mica for electrical purposes may be replaced with fibrous glass and synthetic mica as a result of this program. The army is experimenting with nitriding as an anti-corrosion coating to replace such strategic materials as cobalt, chrome and molybdenum

Many other programs are under way, the board reported, to reduce requirements for scare materials. While results of some of these may not be appreciable for years, other programs may have an early favorable impact on military uses of these materials.

Chemicals 1949 Production In Western Germany Higher

Production of chemicals in the United States and British zones of Western Germany in 1949, as compared with production in 1948 and 1936, were reported last week by the Bureau of Foreign and Domestic Commerce as follows:—

	Metric tons		
	1949	1948	1936
Benzols, refined	246,700	193,000	291,000
Caustic soda (NaOH)	220,000	155,000	55,000
Coaltar pitch	540,500	415,300	508,800
Soda ash (Na_2CO_3)	524,200	377,000	375,000
Sulphuric acid (SO_3)	861,700	621,000	821,000

Production of chemicals in the French zone of Western Germany in 1949 was reported as follows:—

	Metric tons		
	1949	1948	1936
Nitrogen fertilizers (N)	79,000	48,000	110,000
Sulphuric acid (SO_3)	72,000	42,000	202,000

Price Trend Surges Higher

Paced by those for oils and fats, prices in the markets for chemicals, oils and drugs were shooting upward at at a fairly rapid rate last week. There were reductions in but three divisions of the general market, and in only one of these, essential oils, did the declines outnumber the advances. As a result, the overall index number increased by 1.6 point and attained its highest level since November 25, 1949.

Oils and fats quotations reached new highs for the year as a result of moderate trading and restricted offerings. Edible vegetable oils were prominent in the upward surge and increased costs were reflected in the entire list of products; vegetable and animal oils, fatty acids, tallow, greases, fish oil and waxes. Quotations on candelilla wax were boosted as much as 10 cents per pound, while carnauba was lifted 5 cents. There was no lowering of prices reported for any material.

Buying interest in heavy chemicals continued to increase, undoubtedly inspired by the desire to build up inventories as a result of the international situation. Contributing to this was the fact that shortages are developing in several materials and producers are beginning to allocate to contract customers. Behind this are strikes at four alkali plants, which have brought about a 60 percent decrease in production. Tin based chemicals, quicksilver and red phosphorus were advanced, against no declines.

The bullish tone in solvents gained strength as one fermentation producer increased prices on butyl alcohol, butyl acetate and ethyl acetate, and also on phenolphthalein and manganese glycerophosphate. Synthetic glycerin, blackstrap molasses and thiourea were higher. On the down side were higher potencies of fishliver oil concentrates and natural menthol. The fishliver oil concentrates reductions were attributed to recent steep cuts in prices on synthetic vitamin A palmitate and acetate.

Increasing strength was reported in the market for coaltar chemicals, where prices on five intermediates were advanced and other intermediates and basic products indicated upward tendencies. One producer hiked quotations on cresols and cresylic acid, effective August 1 on spot and October 1 on contract, while a maker of natural phenol, following the lead of a competitor, will sell at higher prices on the same dates. Benzol, toluol, phenol, xylol, cresol and cresylic acid were in short supply. Creosote and naphthalene were freely available.

In the protective coatings field, domestic and imported casein, bone and hide glue, triphenyl phosphate and shellac were all increased. Synthetic resins, with some few exceptions, were expected to become harder to get as a result of an increased demand from the military. The natural gum market was unsettled due to conditions in the Far East and a number of them were displaying firmer tone. Stearates were holding at former price levels, although advances were not unlikely in view of recent advances in stearic acid. Soybean protein, which was raised two weeks ago, was slated for another boost this week.

Active demand for practically all textile and leather chemicals was reported. Consumers stepped up orders for immediate needs and endeavored to obtain supplies for forward requirements. Prices were stronger and the trend upward, although actual advances were restricted to egg products. An extremely tight supply condition has developed in bichromates and sodium hydrosulphite, due to the virtual lack of soda ash.

DDT prices were advanced but supplies were down to such a low level the move lost most of its significance. BHC was in the same supply fix but no price change was reported. Producers of both materials are plagued by inability to get chlorine. It was reported that some southern users of these insecticides have gone back to calcium arsenate. Improved buying interest in packing-house byproducts continued, forcing dried blood and tankage prices upward.

A wave of buying interest swept the botanicals trade. Trading in medicinal drugs expanded suddenly and selling was described as heavy in most quarters. Condimental items were just as strong as they had been in the previous few weeks. News from domestic primary crude drug markets was adverse; wet weather has prevailed over a broad section of the collection area. If normal weather reappears, however, there is still a chance of getting in a good-sized crop.

There were nine price advances and fourteen reductions in the essential oils market but the weight and influence of the price movements was on the upside. The declines were in oils of lesser importance and were limited in degree. For obvious reasons, Far Eastern oils were strong items.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

July 28, 1950	July 21, 1950	Dec. 30, 1949	July 29, 1949
125.1	123.5	124.8	128.5

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1950	1949	1947	1946	1941
January	123.2	142.0	150.9	135.3	107.3
February	121.3	140.4	151.9	135.4	110.3
March	121.8	137.6	154.9	135.2	111.9
April	121.0	133.6	152.3	134.9	115.5
May	120.6	131.2	146.1	135.1	118.2
June	120.7	128.7	143.9	135.4	121.9
July	122.8	128.1	142.5	137.7	123.5

U.S. to Pay States Oil Royalties Twice Yearly

The senate voted its approval last week of H.R. 6292 directing the Department of the Interior to make payments twice a year to the states of their share of the royalties collected by the government from leases issued under the oil land leasing act of 1920. Such payments are made once a year at the present time as soon after June 30 as possible. The bill states that hereafter they shall be made as soon as practicable after December 31 and June 30 of each year.

U.S. Import Duty Changes

As a result of the termination of the United States-Mexican trade agreement, United States import duties on specific items will be increased as of December 31. Among the items, giving the current rate of duty and the rate on termination of the agreement, are the following:—

Naphthenic acids, 12½ percent ad valorem, against 25 percent ad valorem; rosin and gum and spirits of turpentine, 2½ percent ad valorem, against 5 percent ad valorem, and zinc sulphate, ½ cent per pound, against ¾ cent per pound.

None of these items is listed for negotiation at the conference to be held in Torquay, England, in the fall.

Patents Bill Compromise Reached by Senate, House

Conferees between the senate and house last week reached an agreement on legislation providing for the modification or cancellation of certain royalty-free licenses granted to the government by private holders or patents. The bill, S. 2128, will come up for final passage shortly.

The purpose of the bill is to empower the heads of certain of the government departments and agencies to cancel, in their discretion, a number of patent licenses which were granted to the government during the war on a royalty-free or reduced royalty basis.

It was explained that in most instances the grants were inspired by patriotic motives and were for the duration of the war. However, few if any of the patentees intended their grants to go beyond the period of actual hostilities. Since the United States is still in a state of war from a technical standpoint, and since the agency heads are without power to cancel any of the licenses in order to do equity to the patentees, the legislation became necessary.

Army Buys Black Pepper

The Department of the Army has awarded a contract to Oliver-Finnie Company, Memphis, Tenn., for 116,000 pounds of ground black pepper for $$139,656.50. The contract was let by the quartermaster procurement agency in New York.

Drug Law Amendment Proposal Hits Industry

Specific authority is proposed to be given the Federal Food and Drug Administration to inspect the "records" of drug manufacturers as part of the enforcement machinery of the federal food, drug and cosmetic act under an amendment proposed to be made to the basic law by the house judiciary committee, it was learned last week.

The new authority, which would amount to a fundamental change in present law and procedures of FDA, was slipped into a codification of title 21 of the United States Code relating to foods and drugs without notice or opportunity given to industry members to be heard on the subject. The codification bill, H. R. 9158, is now before the house awaiting approval.

The rights of FDA agents in requesting the books and records of drug manufacturers for inspection is a fine point of law that has never been clearly determined by the courts. The law itself makes no mention of "records," but refers only to "such factory, warehouse, establishment, or vehicle and all pertinent equipment, finished and unfinished materials, containers, and labeling therein."

U. S. vs. Crescent Kelvan

The nearest that the courts have come to stating that the authority to see records exists was in a footnote to a decision in U. S. vs. Crescent Kelvan Company, handed down in 1948 by the United States Circuit Court of Appeals for the Third Circuit, where the court said that factory inspection might include inspection of everything found relating to the business of the factory.

The question of how far the inspectors should go in making their investigations has been a topic of growing concern among drug manufacturers. It has been due to a tendency upon the part of the inspectors in recent years to ask for more and more of what normally has been regarded as confidential information of the manufacturer. The producers have had to yield to these increasing demands for fear of being branded non-cooperators.

'Fishing Expeditions Feared

Industry men now state that if the bill is passed by congress with the factory inspection provision broadened to include records, there will be no limit to what the inspectors can demand. Such highly confidential information as a company's complaint files, its recall reports and its clinical reports on new drug testing all would be open to the inspector for such use as he might desire to make of it.

In other words, they say, this new authority can be used by the agents for a "fishing expedition" without fear of censure by the courts.

NPC Reconstitutes Four World War II Committees

The National Petroleum Council last week voted to reconstitute four of its world war II committees for the consideration of new problems growing out of the partial industry mobilization program. The committees that are being set up again are:—

The committee on military and government petroleum requirements. It will ascertain the facts and report to the council the requirements of the armed forces and other government agencies and make recommendations helpful in having such requirements met.

The committee on petroleum industry steel requirements. This committee will report to the council on the essential steel requirements of the oil and natural gas industries that will be necessary for these industries to maintain an adequate supply of petroleum and products to meet the nation's needs.

The committee on petroleum transportation which will survey all petroleum transportation facilities, including tankers (ocean and lake), barges, tankcars, over-the-road transport trucks and pipelines and report on the adequacy of such facilities.

The committee on petroleum storage capacity which will bring its report of October 15, 1948, up-to-date.

Chemical Production Hits Peak in France

After declining to an extremely low level during the war, French chemical production has continuously improved, according to a report released last week by the Bureau of Foreign and Domestic Commerce. In 1947, the 1938 production level was equalled and surpassed and in 1948 the production index averaged 128. A postwar high of 135 was reached in April, 1949, and production was subsequently maintained at a level of approximately 131 to 133 for the remainder of the year.

French production of sulphuric acid last year amounted to 95,600 tons a month, compared with 106,000 tons in 1938, 88,000 in 1947 and 105,000 tons in 1948. France produces only about one-fourth of the pyrites necessary for the manufacture of sulphuric acid (150,000 to 200,000 tons as opposed to total domestic requirements of 900,000 tons) and Spain has again become the major source of pyrites since the reopening of the border.

Sodium Carbonate Output

The 1949 monthly output of 49,000 tons of sodium carbonate was well above the prewar figure but below the record high of 69,000 tons monthly reached in 1948. Chlorine production reached 98,000 tons in 1949, surpassing the 1949 total of 86,000 tons, and would have been larger except for the shortage of electric power in the latter part of last year.

Ammonium for the final preparation of nitrogen was produced at an annual rate of 164,000 tons in 1938. The prewar production of nitrogen was equalled in 1947 and surpassed in 1948, when ammonium production reached a total of 175,000 tons. Progress continued last year, when production increased to 228,000 tons. France now plans increased ammonium production to make 300,000 tons of nitrogen annually.

Superphosphates Production Off

French production of superphosphates reached an all-time high of 2,000,000 in 1929 but fell to 1,400,000 tons in 1938. The level that year was equalled in 1947 and surpassed in 1948. Last year, however, output dropped to 1,200,000 tons. Monthly production of calcium carbide averaged 16,500 tons in 1949, compared with 13,500 tons in 1938 and 15,000 in 1948.

ECA Authorizations $12,700,000 in June

Procurement authorizations for the purchase of chemicals and related products were issued in the amount of $12,700,000 to Marshall plan countries during the month of June by the Economic Cooperation Administration. For the fiscal year ended June 30, such authorizations totaled $97,400,000.

The June authorizations consisted of $1,400,000 for medicinal and pharmaceutical preparations, $1,200,000 for industrial chemicals, exclusive of alcohol, $2,300,000 for alcohol, and $7,700,000 for "other" chemicals. There were no authorizations for pesticides during the month.

Other authorization totals for the month were the following:—$1,300,000 for nitrogenous fertilizers; $59,800,000 for petroleum and products; $24,700,000 for nonferrous metals and products, including $20,300,000 for copper, $5,400,000 for zinc, $600,000 for lead, $100,000 for brass and bronze, $500,000 for nickel, $100,000 for "other" metals, and a decrease of $2,300,000 for aluminum; $1,800,000 for fats and oils; $5,800,000 for metallic ores and concentrates; $7,300,000 for nonmetallic minerals; $2,300,000 for hides, skins and leather, and $400,000 for naval stores.

Du Pont Appoints Goebel Grasselli Technical Head

Dr. Max T. Goebel, assistant technical director of E. I. du Pont de Nemours & Co.'s Grasselli Chemicals Department, has been appointed technical director, succeeding Dr. John C. Woodhouse who has undertaken a special assignment with the company. Dr. Goebel joined du Pont in 1934 as a research chemist at the experimental station. In 1941, he was transferred to Cleveland as assistant manager, general research section of the Grasselli Chemicals Department, becoming manager three years later. He was made assistant technical director of the department in 1948.

Enamel Contract Awarded

The Atlas Paint & Varnish Company, Irvington, N. J., has been awarded an army contract, amounting to $242,700, for 125,000 gallons of yellow synthetic gloss enamel. The contract was let by Raritan arsenal, Metuchen, N. J.

Washington Talks It Over

By Ralph L. Cherry

There is a terrific amount of behind the scenes action going on in government over where to place the controls over industry and materials that are provided for in the new defense legislation. Eventually, the White House is going to have to step in to settle the argument to keep peace in the official family.

The trouble stems from the fact that the National Security Resources Board apparently wants to step out of character and become a functioning agency as well as the planning agency. The old line departments are fighting this movement. They believe that since this is just a partial mobilization program they can handle it—at least they should be given a try at it.

Congress leaders have a tendency to side with the departments in the squabble and against NSRB. They are a little piqued at NSRB anyway because as near as they can find out the agency was caught off balance by the Korean invasion and had to do a lot of fast footwork to come up with the partial mobilization plan. So far as they were able to learn, NSRB has never thought in terms of partial mobilization and all of its programming has been in the direction of complete mobilization.

Industry is beginning to flood Washington with inquiries as to this, that and the other thing, and is getting no satisfactory answers. Most all of the inquirers want to know what products are likely to go under allocation so that they can prepare for it, how soon this can be expected, will it be voluntary allocation or mandatory, etc. Nobody knows the answers, unless it might be NSRB and they "ain't talking."

Drugs and Pyrethrum Stockpile

The Munitions Board soon may begin selling some of its stocks of drugs and pyrethrum in the national stockpile and replacing them with fresh quantities. It is part of the scheme of rotating the commodities in the "pile" to prevent losses through deterioration.

To date, the heaviest rotation workload has been in connection with rubber. Large quantities of surplus rubber transferred to the Federal Supply Service have been sold and replaced with higher grade rubber which will not deteriorate so rapidly as low grade and soft rubber. Rotation of cordage fibers started early this year and will continue periodically from now on.

The rotation of vegetable oils has been carried out in conjunction with the purchase programs for these commodities. Many of the purchase contracts for such oils contain an agreement as to the use and replacement of oils by commercial concerns storing oils for the Federal Supply Service. Periodic inspections and sampling of oils in storage are made to determine their condition.

Up until now it has not been necessary to rotate stocks of drugs and pyrethrum, but this is a problem that will have to be met sooner or later and studies are now underway by the Federal Supply Service in conjunction with industry.

CCC Food Stocks Growing

What to do with all the perishable foods that have been accumulated by CCC under the farm price support programs is a problem that presently is concerning both the Department of Agriculture and congress. No immediate solution is in sight other than a broadening of the "give-away" programs presently followed by the department, with the government paying the cost of transportation and repackaging so that greater amounts can be handled by schools, institutions and welfare groups.

Dairy products are the first concern. At the present time, CCC owns approximately 192,000,000 pounds of butter and is currently accumulating more at the rate of about 9,000,000 pounds a week. There is also an inventory of 322,000,000 pounds of dried milk and this is being added to at the rate of 45,000,000 pounds a month. The stocks of cheese on hand amount to 80,000,000 pounds and they have recently been accumulated at the rate of 23,000,000 pounds a month.

The other two big items are eggs and potatoes. CCC's current inventory of eggs is about 107,000,000 pounds in dried form. Each pound of dried eggs represents approximately three dozen eggs in shell form so CCC has in its possession about 321,000,000 dozens of eggs. It's been acquiring around 15,000,000 pounds a month. The potato problem is just beginning for this year. Recently, CCC has had to begin purchasing at the rate of 150,000 to 200,000 bushels per day from farmers in North Carolina and Virginia. The next areas will be in New Jersey and later in Maine, as well as Idaho, Oregon and Washington.

The potatoes are expected to cost CCC around $75,000,000 with little likelihood of the agency getting its money back.

Standardization Unit Moved

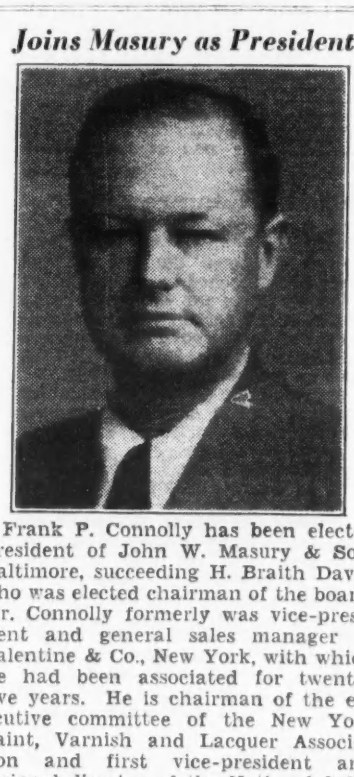
The Commodity Standards Division of the National Bureau of Standards has been transferred to the newly formed Office of Industry and Commerce in the Department of Commerce as another step in the department's program to make it easier for the businessman to obtain all available information and assistance on a particular commodity or industry from a single, central source.

The division will continue to carry on its customary functions in cooperation with the business community, consumers, technical organizations, and others. Principal functions of the division are (1) formulation of simplified practice recommendations which identify and list the sizes, types, dimensions, and varieties of products in national demand; and (2) voluntary establishment, maintenance, recording, publishing, and promoting of commercial standards.

Edwin W. Ely is chief of the division.

—*Continued on page 26*

Joins Masury as President



Frank P. Connolly has been elected president of John W. Masury & Son, Baltimore, succeeding H. Braith Davis, who was elected chairman of the board. Mr. Connolly formerly was vice-president and general sales manager of Valentine & Co., New York, with which he had been associated for twenty-five years. He is chairman of the executive committee of the New York Paint, Varnish and Lacquer Association and first vice-president and regional director of the National Sales Executive Club.

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Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with the OPD office:—

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Cosmetics—Tananarive, Madagascar (FX-15, 11).
Caustic soda—Fortaleza, Brazil (FX-4).
Cosmetics—Tananarive, Madagascar (F-15, agency).
Hops — Copenhagen, Denmark (FX - 12, agency).
Ink—Belem, Brazil (FX-1).
Laundry soap—Tangier, Morocco (FX-10).
Margarine—Tangier, Morocco (FX-10).
Oilmeals, vegetable and fish—Carrick-on-Suir, Ireland (FX-7).
Paint materials—Bergerac, France (FX-13, agency).
Penicillin—Sao Luiz, Brazil (FX-2); Sao Paulo, Brazil (FX-3).
Petroleum coke—Tokyo, Japan (FX-8).
Pharmaceuticals—Turin, Italy (FX-14, agency).
Sassafras chips and stumps—Hamburg, Germany (FX-6).
Tar—Managua, Nicaragua (FX-11).

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Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Amylcrotonyl acetate.
Dinitronaphthalene.
Iso-octylphenol.
2-Methyl-4 amino-1-naphthol hydrochloride.
Trihexylphenidyl 3 - (1-piperidyl)-phenyl-1-cyclohexyl-1-propanol hydrochloride.

Tin Smelter Operation Continuance Bill Voted

Senate bill 3666 providing for continued operation of the government's tin smelting plant at Texas City, Tex., for another five years was passed by the house last week. The present operating authority expires June 30, 1951, and the bill would extend it until 1956.

During consideration of the measure on the floor, Representative John P. Saylor of Pennsylvania charged that the plant has never been operated in the manner that it was supposed to be operated. He said that when the plant was erected in 1941 it was with the distinct understanding that it could produce high-grade tin from low-grade Bolivian ores exclusively.

According to the information given congressional committees, however, he said, there has never been produced any high-grade tin using solely low-grade Bolivian ore, and the only pig tin produced has been a mixture of high-grade alluvial concentrates from the Far East or Africa with the Bolivian ore.

The plant is operated under contract for the government by the Tin Processing Corporation, a subsidiary of the Billiton Company, a Dutch corporation. Mr. Saylor said that so long as Dutch interests operate the plant it never will be made to function for the purposes for which it was planned. He argued that operation should be turned over to a bona fide American firm or to the Department of the Interior.

Phillips Petroleum Makes Changes in Official Family

Phillips Petroleum Company, Bartlesville, Okla., has announced that the board of directors at a meeting in New York took action on several official personnel changes to become effective August 1, after G. G. Oberfell retires from active duty under the provisions of the company's retirement plan. Mr. Oberfell, a member of the board and executive committee, as well as vice-president of research and development, started with the company nearly twenty-six years ago.

B. F. Stradley, secretary and treasurer for several years, was elected a member of the board and of the executive committee and was named vice-president and treasurer. He served in the credit division and in other assignments within the treasury department for twenty-six years.

R. W. Thomas, manager of the research and development department, was elected vice-president of research and development and will supervise research and patent activities, as well as chemical manufacturing, development, and sales. He started in the engineering department in 1926 and for several years thereafter pioneered the development of markets for liquefied petroleum gases, with offices at Detroit. He took over his present duties at the headquarters office about ten years ago.

Paul J. Parker, assistant secretary and assistant treasurer, was elected secretary and assistant treasurer. He entered company employment in 1936 as a staff attorney in the legal department and moved into the treasury department in 1945.

Titanium Metal Firm Planned By Remington, Crucible Steel

Remington Arms Company and Crucible Steel Company of America will form a new, jointly-owned company to produce titanium metal and titanium metal alloy products. While building its organization and facilities, the new firm will conduct a research, development and manufacturing program and will supply quantities of materials for industrial application studies now in progress.

Fels Elects Coyle Vice-Pres.

Fels & Co., Philadelphia, has elected Edward B. Coyle as vice-president and Max Brown as director, it was reported July 25. Mr. Coyle, who joined the company in 1908, will continue to direct the manufacture of the company's Fels-Naptha soap and "Felso," a new, all-purpose detergent. Mr. Brown, Fels general sales manager, began with the company as a salesman twenty-three years ago.

Lamm Appointed Technical Director of Central Paint

Vincent Lamm, in the paint business since 1920, has been appointed technical director of the Central Paint & Varnish Works, Brooklyn, N. Y. Formerly with Pittsburgh Plate Glass Company, Devoe & Raynolds, Boydell Brothers and Gamble-Skogmor Stores, Mr. Lamm will be in direct charge of all laboratory investigations and all experimental work.

P.A.'s-Eye View of Business

Composite view, July 30, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents.

The expected lag in general business during July was upset by the Korean blowup. Production, which was sagging because of industrial vacations during the first half of the month, has snapped back, and is forging ahead to meet increased demands. New orders have zoomed, creating the heaviest backlog since the steel and coal strikes. Buying policy, though still considered to be conservative, has had to extend the range to meet lengthened production lead time. Prices are up all along the line, with escalation rapidly coming into the picture. Industrial inventories are creeping up—in many cases, limited only by sellers' self-imposed allocations. Employment is up, to man the increased production schedules. Very little of the July business increase is attributed to direct military orders.

There has been a flurry of panic buying of products that were short during the war, most of it at retail and distributing levels. At month end there are signs that this hysteria is passing.

Purchasing executives, viewing the current situation in the light of the President's message, find little reason to expect immediate imposition of government controls. Ten billion dollars for preparedness, with possibly half of that reaching industry, is not a deep cut into our capacity and resources. The announced program should be handled without setting up broad use and price controls.

Commodity Prices

The sharp upsurge of buying during the month carried prices to the highest point this year. Demand has exceeded supply in many industrial materials. Some higher prices are believed to have been established in anticipation of government price freezing. Sellers should remember the price rollback of the OPA days. "Price ruling on date of shipment" and escalator clauses are again common in future delivery quotations.

Inventories

The trend of inventories is up; 40 percent report adding to industrial stocks during July. Increasing deliveries of currently critical materials such as steel, copper, zinc and aluminum, are practically impossible, leading to unbalanced stocks which cannot, at this time, be assured of adjustment by future commitments. Purchasing agents are aware that hording of strategic materials which may be restricted in use by government controls can prove unprofitable.

Employment

Following the heavy curtailment caused by industrial vacations early in the month, employment came back with a bang and, at the end of the month, stood higher than at the close of June. The demand for skilled labor overbalances the current supply in several areas. The workweek is being lengthened in many industries, and would go higher if materials were immediately available. Present draft requirements are not considered much of a threat to industrial manpower. However, employment managers are looking ahead to the use of more women if future war developments cut deeply into the supply of male workers.

Buying Policy

The brisk rise in new orders following the Korean outbreak has developed a new high in backlogs. In turn, this has stretched out production lead time on many industrial items. The range of future commitments had been extending during May and June. July pushed many from thirty to sixty days into the ninety-day column and moved 20 percent into over ninety days, with several endeavoring to cover up to six months. There is apparently little, if any, price speculation in this extended view of the markets, as price escalation is attached to most commitments over sixty days. Buyers do not feel that present conditions call for government price or end use controls.

Specific Commodity Changes

Everything going up—nothing coming down—is the report for July. Increases over-all have not been drastic. Important items affected were:—Aluminum, acids, alcohol, bakelite, cotton and paper bags, cadmium, castings, cement construction materials, corrugated containers, cornstarch, electrical supplies, food products, fuel oil, gasoline, glass, lead, lumber, machine tools, paper, platinum, rags, rosin, rubber, soap, soda ash, styrene, textiles, tin, tires, wood screws.

Canada

Canadian business conditions differ little from those reported for the United States in July. Production about the same; new orders higher; price structure checks with the United States; inventories up a little more; employment increasing; buying policy a little more on the low side. Business is good, at the high level of the year, and expected to continue into the fourth quarter.

Du Pont Now Offering New Dyeing Materials

The dyestuffs division of E. I. du Pont De Nemours & Co., has recently introduced a new range of neutral dyeing colors possessing interesting application and fastness properties on both nylon and wool. These are marketed under the trade-mark, "Neutracyl," and comprise the following members:—"Neutracyl" blue G, "Neutracyl" yellow N, "Neutracyl" yellow 3rd, "Neutracyl" black N.

The "Neutracyl" dyes are recommended for the dyeing of suiting fabrics, shirtings, automotive and other transportation fabrics, sportswear, athletic goods, etc.

The division also recently put on the market "Pontamine" fast violet 4RL dye, a direct-dyeing color with outstanding fastness to light when applied either to cotton or viscose-process rayon in pale and heavy shades. On rayon, the color shows good resistance to washing, dry cleaning, perspiration, and dry crocking. It is recommended for use on draperies, upholstery fabrics, dress goods, and similar materials that have to be resistant to light.

Maris Succeeds Clark On Development Board

Maj. Gen. Ward H. Maris has been designed as an army member of the Research and Development Board, succeeding Gen. Mark Clark, chief of army field forces, it was announced last week by William Webster, chairman of the board. Gen. Maris, deputy assistant chief of staff, G-4 for research and development, has been serving as deputy to the second army member of the board, Under Secretary of the Army Archibald S. Alexander, since May of this year. Lt. Gen. T. B. Larkin, assistant chief of staff, G-4, will now be deputy to Mr. Alexander, and Brig. Gen. R. W. Beasley, office of the chief of army field forces, will be deputy to Gen. Maris.

USI Has New Insecticide Treatment for Stored Grain

A revolutionary type of insecticide treatment for the prevention of insect infestation of wheat and other grains in storage, which gives full season protection with a single application, was announced July 27 by U. S. Industrial Chemicals, Inc., New York.

Two new insecticides, both of them safe for use directly upon grain for protection against insects, are now in production and will be available in limited quantities this year for the treatment of stored grain, which suffers damage of at least $500,000,000 every year to insects. Production in 1951 will be stepped up to meet anticipated demands.

The insecticides, "Pyrenone Wheat Protectant" for all types of wheat, and "Pyrenone Grain Protectant" for corn, oats, barley, rice and other grains, are mixed with the grain to achieve thorough protection, including the elimination of hidden infestation which is the cause of insect fragments in flour and other grain meals, a matter of increasing concern to millers. Rate of application is 100 pounds per 1,000 bushels, or about 1.6 ounces per bushel, giving protection at a cost to the farmer of about two cents per bushel.

Lauryl Sulphate Detergent Output Planned by USI

A new production unit for the manufacture of a lauryl sulphate detergent is nearing completion in Baltimore, and will be in operation in late summer, U. S. Industrial Chemicals, Inc., New York, has announced. This liquid detergent, currently offered under the trade name "Sipon L-20," is the first surface active agent marketed by USI as the result of a broad detergent development program undertaken jointly by the company and Societe Sinnova, of Paris. It is anticipated that additional surface active agents will be offered in the near future.

U.S. Minerals Council Parley Set for Aug. 3

Secretary of the Interior Oscar L. Chapman has summoned the National Minerals Advisory Council to a conference in Washington on August 3, to discuss the minerals situation and to advise the President and himself of the urgent need for adequate supplies of critical metals and minerals. A telegram dispatched July 25 to all members of the advisory council by James A. White, secretary, stated:—

"Secretary of the Interior has just called urgent and important meeting of the National Minerals Advisory Council for Thursday, August 3, in his conference room, New Interior building, Washington, at 10 a.m. Please advise whether you can attend."

Secretary Chapman's summons was made after conferences with Senator Pat McCarran of Nevada and leaders of the minerals industry on the need for a thorough discussion of the mining industry's role in the present situation.

Organized in 1947 to advise the Interior Department on policies and programs relating to the mineral supply position of the United States, the last regular meeting of the council was held February 10 when it was enlarged from thirty-three to forty-four members to give it a wider representation from the nation's mineral and related industries. Horace M. Albright, president of the U. S. Potash Company, New York, is chairman of the council.

Robinson, Wagner Appoints Robinson Vice-President

Robinson, Wagner Company, New York, has appointed John C. Robinson vice-president in charge of production at its Mamaroneck, N. Y., plant, it was announced last week. The company also announced the following new appointments:

John C. Robinson

Joseph C. Pickard, secretary and a director; Arthur A. Mulligan, assistant to the president and assigned to market research, and Robert C. Marshall, sales representative for the Philadelphia area.

Mr. Robinson, formerly engaged in market research and development work for the lanolin and lanolin derivatives company, has been a director since 1944. Mr. Pickard has been with the company since 1945 in a sales capacity and, prior to that was in the army. Mr. Mulligan was associated with Lehn & Fink Products Corporation for 10 years and was one of the founders and first president of the Cosmetic Industry Buyers and Suppliers Association. Mr. Marshall previously was associated with another lanolin refiner.

Victor Chemical Plans New Phosphorus Plant

The board of directors of the Victor Chemical Works, Chicago, has approved construction of an electric furnace plant at Silver Bow, near Butte, Mont. The plant will manufacture elemental phosphorus from phosphate rock drawn from nearby deposits. Construction will begin immediately.

The location fixed for the plant, and the selection of the mines, are the result of an investigation carried on over a long time by the engineers and chemists of Victor Chemical Works.

Victor now operates phosphorus plants in Tennessee and in Florida, and four other plants in Illinois, Tennessee, Pennsylvania and California, in which phosphorus is processed into various types of phosphates and phosphorus compounds required by the country's food and other industries.

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TESTOSTERONE
TESTOSTERONE PROPIONATE U.S.P.
METHYL TESTOSTERONE U.S.P.

From the International Conference on Gerontology recently held in Liege, Belgium, comes exciting news on the use of the testosterones in extending the useful period of the life of the aging man. Again the growing value and breadth of these modern medical weapons is demonstrated.

In line with its policy of completeness and service, New York Quinine and Chemical Works has now made available to its customers, these three chemicals which are in growing demand for an increasingly important group of oral and parenteral preparations, as well as medicated unguents.

Whether you are manufacturing tablets, ampul solutions, ointments or creams, you will find that N. Y. Q. TESTOSTERONES will meet your most stringent specifications for purity, potency and stability.

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Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, October 1-5.

American Association of Textile Chemists and Colorists, Portsmouth, N H., September 28-30.

American Bar Association, Food, Drug and Cosmetic Law Division, annual meeting, Federal Security Agency auditorium, Washington, D. C., September 18-22.

American Council of Commercial Laboratories, Waldorf-Astoria, New York, November 14-15.

American Gas Association, Atlantic City, October 2-6.

American Institute of Chemical Engineers, Neal House, Columbus, Ohio, December 3-6.

American Oil Chemists Society, Sir Francis Drake hotel, San Francisco, September 26-28.

American Petroleum Institute, Biltmore and Ambassador hotels, Los Angeles, November 13-16.

American Pharmaceutical Manufacturers' Association, Boca Raton, Fla., April 2-4, 1951; Greenbrier, White Sulphur Springs, W. Va., March 26-28, 1952.

American Soybean Association, Springfield armory, Springfield, Ill., August 28-30.

Associated Chain Drug Stores, New Yorker hotel, New York, September 24-27.

Association of Consulting Chemists & Chemical engineers, annual meeting, Shelburne hotel, New York, October 24.

Chemical Specialties Manufacturers Association, New Yorker hotel, New York, December 3-5.

Congress of the International Union of Leather Chemists Societies, London, September 10-13, 1951.

Drug, Chemical and Allied Trades Section, New York Board of Trade, annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 21-23.

Federal Wholesale Druggists Association, Greenbrier hotel, White Sulphur Springs, W. Va., October 23-25.

Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 9-11.

National Association of Retail Druggists, Long Beach, Calif., October 15-21.

National Butane-Propane Association, Hollenden hotel, Cleveland, September 18-19.

National Chemical Exposition, Coliseum, Chicago, September 5-9.

National Foreign Trade Council, annual convention, Waldorf-Astoria hotel, New York, October 31-November 1.

National Lubricating Grease Institute, Edgewater Beach hotel, Chicago, October 30-November 1.

National Paint, Varnish and Lacquer Association, Fairmont hotel, San Francisco, November 15-18

National Safety Congress, Chicago, October 18-20.

National Wholesale Druggists Association, Waldorf-Astoria hotel, New York, September 18-20.

Packaging Institute, annual forum, Commodore hotel, New York, October 23-25.

Pharmaceutical Council of Greater New York, drug show and exhibit, Statler hotel, New York, September 25-27.

Society of Plastics Engineers, national technical conference, Statler hotel, New York, January 18-20, 1951.

Society of the Plastics Industry, annual meeting, New Ocean House, Swampscott, Mass., October 18-20.

Society of Rheology, New Yorker hotel, New York, November 3-4.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, September 15; annual meeting, Commodore hotel, New York, December 13.

Plant Maintenance Show In Cleveland Jan. 15-18

The plant maintenance show, which drew industrial executives from thirty-five states and many foreign countries when it was conducted for the first time early this year, will be held again at the Auditorium, Cleveland, January 15 to 18. Present indications are that it will be two to three times the size of the initial show. Already 120 companies have leased booth space which exceeds by 61 percent the total area used for the first show.

Also to be repeated will be the plant maintenance conference which attracted approximately 1,500 engineers and executives, one of the largest attendances recorded at technical sessions of this type. L. C. Morrow, consulting editor, *Factory Management & Maintenance*, will serve as chairman.

On exhibition at the show will be equipment and materials for air conditioning, heating, ventilating, building materials and services, maintenance tools and supplies, electrical equipment, employee relations, training and safety, instruments, meters, gauges, lubricants and lubricating equipment, management consultants and services, materials handling, mechanical rubber goods, paints, painting equipment, product finishes, power generation and distribution, power transmission, and welding and gas cutting.

Uses and Applications of Chemicals

("Where You Can Sell")

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Chlorinated Polyphenols

Adhesives — Additives, adhesion improvers, plasticizers, and resinous and viscous ingredients in the manufacture of adhesive compositions.

Electrical—Impregnating agents for insulations and other coatings (claimed to have dielectric strength, high resistivity, low power factor, and to be noninflammable.

Glass—Carrier vehicles for pigments used in glass decorations.

Ink—Resinous, viscous ingredients of mimeograph and rotogravure inks.

Lubricant—Internal lubricants for air compressors (high-compression types); ingredients of bearing lubricants, cutting oils, extreme-pressure lubricants, high temperature lubricants, spindle oils, and lubricants for governors systems of central power stations and for use under submerged conditions (such as bridge rollers).

Mechanical—Expanding mediums in bellows controls and thermostats (offer stability and freedom from gum formation).

Hydraulic fluids for power transmission (permit reduction in size of hydraulic coupling design; are noncombustible and have stability under heating and pressure, lubricating qualities, noncorrosiveness, moisture resistance, relative freedom from odor).

Transfer mediums in systems using circulating heating or cooling mediums.

Miscellaneous—Impregnating agents for imparting adhesion, resistance to alkalies, other chemicals; flame, gas, and moisture, insulating properties and lubricating qualities.

Ingredients of flameproofing, moistureproofing, and waterproofing compositions.

Oils, Fats, and Waxes—Carnauba substitute in wax compositions.

Extender in wax compositions.

Paint, Varnish, and Lacquer—Compounding agents offering valuable properties to paints and varnishes.

Dispersing and grinding mediums for pigments.

Plastics—Pigments in plastic compositions.

Plasticizers and coplasticizers in coatings, films, and moldings, and plastic materials containing ethylcellulose, nitrocellulose, or vinyl resins.

Printing—Adhesive carriers for bronze powders.

Resin—Coplasticizers for vinyl resins and films, and coatings, and other articles made therefrom.

Dispersing and grinding mediums for pigments used in resinous compositions.

Rubber—Flame reducers for rubber.

Plasticizers for natural and synthetic rubbers, modified rubber finishes.

Resinous fortifier in modified rubber finishes and coatings.

Dibutyl-Tin Diacetate

Chemical—Claimed as potentially useful as a starting point in making new chemicals and a stabilizer for chlorinated compounds.

Petroleum—Claimed as potential additives in petroleum processing.

N-1:2-Dicarboethoxy-N-octadecyl Sulphosuccinamate

Adhesives—Wetting agent (Brit. 587271) in adhesive preparations.

Chemical—Wetting agent (Brit. 587271) in emulsions of various chemicals, textile lubricants.

Cosmetic—Wetting agent (Brit. 587271) in various preparations.

Disinfectant—Wetting agent (Brit. 587-271) in disinfecting and germicidal compositions.

Dry-Cleaning—Wetting agent (Brit. 587-271) in dry-cleaning liquids.

Dye—Wetting agent (Brit. 587271).

Fats, Oils, and Waxes—Wetting agent (Brit. 587271) in boring, cutting, drilling, and wire-drawing oils, greasing and lubricating compositions, sulphonated oils, wax preparations.

Ink—Wetting agent (Brit. 587271) in printing and writing inks.

Leather—Wetting agent (Brit. 587271) in dressing, fat-liquoring, finishing, soaking, softening, tanning, and waterproofing compositions.

Metallurgical—Wetting agent (Brit. 587-271) in metal-plating processes.

Miscellaneous—Modifier of surface tension of liquids in various products and processes.

Wetting agent (Brit. 587271) in coasters for beer glasses, embalming fluids, polishing compositions, soldering fluxes, wallpaper removers, waterproofing compositions, and various processes involving aqueous solutions.

Paint, Varnish, and Lacquer—Wetting agent (Brit. 587271) in paints, varnishes, and lacquers, and in pigment manufacture.

Paper—Wetting agent (Brit. 587271) in sizing, waterproofing, and waxing compositions.

Pesticide—Wetting agent (Brit. 587271) in fungicidal and insecticidal sprays and other compositions.

Petroleum—Wetting agent (Brit. 587271) in cutting oils, mineral oil, pitch, and tar compositions.

Photographic—Wetting agent (Brit. 587-271) in blueprint and photographic processes.

Rubber—Wetting agent (Brit. 587271) in cements.

Soap—Wetting agent (Brit. 587271) in detergent compositions, textile soaps.

Textile—Wetting agent (Brit. 587271) in bleaching, boiling-off, bowking, carbonizing, degumming, dyeing, fulling, kier-boiling, mercerizing, and soaking baths; coating, degreasing, oiling, scouring, sizing, spinning, washing, waterproofing, and waxing compositions, printing pastes.

1:3-Dichloropropylene

Pesticide — Ingredient of composition with 1:2 dichloropropane (DD), used as a soil-fumigant in the control of the common root-rot nematode (said to be much cheaper than chloropicrin and to produce equal or better results; it is a skin irritant unless it is quickly washed off).

Dicyclohexyl Phthalate

Adhesives—Plasticizer in adhesive compositions containing resins.

Ceramic—Plasticizer in compositions, containing resins, used as coatings for protecting and decorating ceramic articles.

Dental—Plasticizer in resinous compositions used as dentures alone or in mixtures.

Electrical—Plasticizer in insulating compositions, containing resins, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer in compositions, containing resins, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware.

Ink—Plasticizer in rotogravure, stamp-pad, and textile inks.

Leather—Plasticizer in compositions, containing resins, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods.

Metal-Fabricating—Plasticizer in compositions, containing resins, used as coatings for protecting and decorating metallic articles.

Miscellaneous—Plasticizer in coating compositions, containing resins, used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer—Plasticizer in paints, varnishes, lacquers, enamels, and dopes containing resins.

Paper—Plasticizer in compositions, containing resins, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp.

Plastics—Plasticizer in making laminated-fiber and molded articles, also plastic materials from or containing resins.

Resin—Plasticizer for resins.

Rubber—Plasticizer in compositions, containing resins, used as coatings for protecting and decorating rubber goods.

Stone—Plasticizer in compositions, containing resins, used as coatings for decorating and protecting artificial and natural stone.

Textile—Plasticizer in compositions, containing resins, used in the manufacture of coated fabrics.

Wood—Plasticizer in compositions, containing resins, used as protective and decorative coatings on woodwork.

Diethyldi-(2-bromoethoxy)silanes

Chemical—Claimed (Brit. 591771) use-

—*Continued on page 55*

Packaging Institute Revamps Original Meeting Program

The military situation in Korea and its possible future expansion has forced the program committee of the Packaging Institute to revamp its original plans for the program of the twelfth annual forum of the organization to be held at the Commodore hotel, New York, October 23 to 25.

"We are no more able to predict the outcome of events in Korea than the authorities in Washington," said E. H. Balkema of Colgate-Palmolive-Peet Company, chairman of the institute's program committee, "but two facts must be taken into consideration in revising the projected program. First, is the uncertainty of the future of the police action which may be of short or long duration, and America must be prepared for a long duration. Second, are the definite trends toward price increases, apparent scarcities and larger military orders requiring special packaging specifications.

"Furthermore, a canvass of views of the members of the Packaging Institute shows that the composite opinion is 3-1 in the belief that the Korean affair should influence the character of the program rather than omit its implications. Accordingly, the forthcoming program of the annual forum will be partly devoted to the packaging problems arising from a national emergency and partly devoted to the normal problems of packaging for civilian life."

Packaging Problems Review

Plans for the first day of the convention call for a review of the packaging problems facing the members of Packaging Institute as a result of the wartime demands. No announcement of speakers or topics can be made until shortly before the start of the convention because of the rapidity of the military developments and the fact that at this time the government's plans are far from complete.

One session is scheduled to include a well informed government representative to discuss the methods of military procurement as they affect packaging. Also, a spokesman from the packaging field is to tell the government what industry needs from government in order that industry may supply the government needs. In particular, it is hoped, the government agencies will handle the situation so that industry representatives will know where to go to get approvals of performance of packaging materials and finished packages where military orders are involved.

NSRB Packaging Plans

Another aspect to be covered is the manner in which the National Security Resources Board is planning to handle packaging for civilian needs and to coordinate civilian packaging with the military demands for already reports are current of scarcities of sheet steel and aluminum, of rubber and plastics. The outlook for packaging supplies, machinery and personnel as of October 23, is also to be covered by well informed speakers.

Petroleum products packaging, under R. Chester Reed of Texas Company, will be considered in a one-day program to cover the following topics:—mechanical handling of packages, including case palletizing; statistical control of filling; economics of stenciling, labeling and marking; shipping cases, and drum specifications.

The drug and pharmaceutical committee will hold its usual type of program where upwards of 300 from the industry are expected to discuss:—screw cap problems; inspection of incoming packaging supplies; export packaging; shelf packs; package styles to facilitate resale on prescription in original containers, and unusual foreign packages.

Pacific Tin Consolidated Elects Thiele Board Head

Albert E. Thiele, formerly vice-president and treasurer of Pacific Tin Consolidated Corporation, has been elected chairman of the board, to succeed the late George W. Coffey. Norman Cleaveland, who formerly was manager of the firm's Malayan operations, has been elected president. Franklin S. Miller, formerly assistant manager of Malayan operations, becomes vice-president, and J. A. Coda, previously assistant treasurer, is new treasurer.

Jefferson Plans Sulphur Plant

Jefferson Lake Sulphur Company has obtained from Texas Gulf Sulphur Company and Carter Oil Company the sulphur rights on the Stark Domes, Calcasieu Parish, La. Construction of a plant for production of sulphur is expected to be completed in the first quarter of 1951.

First Thought...

In Chemotherapy of Tuberculosis

If you are planning to market an effective antituberculosis preparation, "dependable source of supply" merits foremost consideration. It's only natural that you will think of *Merck first,* because when you specify Merck you obtain the benefits of an invaluable *additional* asset: Merck pioneering experience in developing and producing antituberculosis drugs. This group of Merck products includes some of the most important drugs known to therapy. Make their unexcelled purity a component part of your own product.

DEVELOPED AND
INTRODUCED BY MERCK—

The most potent Antibacterial Agents available for use against Tuberculosis:

STREPTOMYCIN CALCIUM CHLORIDE COMPLEX MERCK

DIHYDROSTREPTOMYCIN SULFATE MERCK

Highly purified—generally well-tolerated intramuscularly and intrathecally

Available in bulk and in unlabeled vials

THE MOST EFFECTIVE
CHEMOTHERAPEUTIC APPROACH—

Combined Treatment:

DIHYDROSTREPTOMYCIN SULFATE OR
STREPTOMYCIN CALCIUM CHLORIDE COMPLEX

plus

PARA-AMINOSALICYLIC ACID MERCK

or

SODIUM PARA-AMINOSALICYLATE MERCK

Combined treatment makes it possible to prolong effective administration of the antibiotics appreciably.

Available in bulk quantities. Both Para-Aminosalicylic Acid Merck and its sodium salt are extremely well-suited for *manufacturing purposes.*

* * *

Right now, the clinical value of these antituberculosis drugs is being brought to every physician's attention by means of a highly informative Merck booklet titled *The Chemotherapy of Tuberculosis.*

Your inquiries are cordially invited.

MERCK & CO., Inc.
Manufacturing Chemists
RAHWAY, NEW JERSEY

MERCK

Merck Antituberculosis Products

DIHYDROSTREPTOMYCIN SULFATE MERCK

STREPTOMYCIN CALCIUM CHLORIDE COMPLEX MERCK

PARA-AMINOSALICYLIC ACID MERCK

SODIUM PARA-AMINOSALICYLATE MERCK

Current Market Quotations

Chemicals and Related Materials

July 28, 1950

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, arabic).

Acenaphthene, below 92.5 C., m.p., dms., works lb 40 - —
above 92.5 C, m.p. dms., works, lb. .50 - —

Acetaldehyde, 99%, dms., c.l., frt, equald lb. .11½- —
t.c.l., frt. equald lb. .12 - .12½
tanks, frt. equald lb. .09½- —

Acetaldol (see Aldol)

Acetamide, tech. fib., dms lb .45 - —

Acetanilide tech. bbls., c.l., dlvd or frt. equald lb. .22 - —
t.c.l., ton lots lb. .23 - —
smaller lots lb. .26 - —
USP, bbls., 2,000-lb. lots lb .50 - —
smaller tots lb. .56 - —

Acetic anhydride dms., c.l., frt. alld. E lb. .13 - —
t.c.l., frt alld E lb. .14½- —
tanks, frt. alld E lb. .11½- —

Acetoacetanilide, bbls., dlvd lb. .67½- —
fib. dms., c.l., dlvd lb. .68½- —
t.c.l., dlvd lb. .69½- —

Acetoacetorthoanisidide, fib. dms., works, 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb 1.75 - —

Acetoacetorthochloranilide, bbls., dlvd lb. 1.15 - —
fib. dms., c.l., dlvd lb. 1.14 - —
t.c.l., dlvd lb. 1.15 - —

Acetoacetorthotoluidide, bbls., dlvd lb. .72½- —
fib. dms., c.l., dlvd lb. .73½- —
t.c.l., dlvd lb. .74½- —

Acetone, CP, dms., c.l., dlvd lb. .09¾- —
t.c.l., dlvd lb. .10 - —
tanks, dlvd lb. .07½- —
Methyl (see M).

Acetonitrile, dms., c.l., works lb. .42 - —
t.c.l., works lb. .45 - —

Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.35

Acetophenone, cns., dms lb. 1.30 - 1.65
tech., t.c.l., dms., works lb. .75 - —

Acetoacetoparaphenetidide, dms., 500 lbs. or more, works, lb. 1.63 - —
smaller lots, same basis lb. 1.90 - —

Acetyltributyl citrate, dms. lb. .43 - .45
smaller pkgs. lb. .48 - .54

Acetyltriethyl citrate, dms. lb. .36 - .38
smaller pkgs. lb. .41 - .47

Acid, abietic, com'l, dms., c.l., works lb. .10 - —
t.c.l., works lb. .11½- —
cryst., dms., c.l., works lb. .05½- —
t.c.l., works lb. .06 - .06½

Acetic, com'l or redist., 23%, bbls. 100 lbs. 4.00 - —
56%, bbls 100 lbs. 7.10 - —
70%, bbls 100 lbs. 8.10 - —
80%, bbls 100 lbs. 8.75 - —
glacial, synthetic, CP, dms., works 100 lbs. 13.00 - —
cbys., works 100 lbs. 18.00 - 22.00
USP, cbys., works 100 lbs. 13.50 - 17.50
tech., dms., c.l., works 100 lbs. 9.00 - 9.50
t.c.l., works 100 lbs. 9.50 - 10.00
tanks, works 100 lbs. 7.50 - —

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .53 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls. same basis. lb. .50 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich. Chicago and St. Louis.

Aconitic, 5,000 lbs. 1 shipt., dms., lb. .49 - —
smaller lots, dms lb. .49½- .54½

Adipic, fib. dms., works lb. .26½- —

Aminoacetic, NF bbls., frt. adjusted lb. 1.50 1.75

Anthranilic resub., bbls lb. 2.10 —
tech., bbls lb. 1.10 - 1.21

Arsenous, tech (see Arsenic, white).
USP (see Arsenic trioxide).

Ascorbic, USP dms., 500-kilo lots. kilo. 24.50 - —
25-50 kilo lots kilo. 25.00 - —
10-kilo lots kilo. 25.35 - —
5-kilo lots kilo. 25.70 - —
bots., kilo lots kilo. 26.41 - —
500 grams kilo. 27.47 - —

Battery, cbys., c.l., E. works. 100 lbs. 2.00 - —
t.c.l., E., works 100 lbs. 2.30 - —

Benzoic, tech., bbls. dms., 100 lbs. or more lb. .43 - —
USP bbls. dms. 100 lbs up lb. .54 - —

Betahydroxynaphthoic bbls., works lb. 1.23 - —

Boric, tech., 99½%, cryst., bgs., c.l., works ton. 115.23 - —
ton lots ex whse, N. Y. or Chi. ton. 160.00 - —
less ton lots, same basis. ton. 165.00 - —
bbls., c.l., works ton. 135.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 180.00 - —
less ton lots, same basis. ton. 185.00 - —
bulk, c.l., works ton. 111.75 - —
gran., bgs., c.l., works ton. 90.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 135.00 - —
less ton lots, same basis. ton. 140.00 - —
bbls, c.l., works ton. 110.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 155.00 - —
less ton lots, same basis. ton. 160.00 - —

Acid, boric, tech., 99½%, gran., bulk, c.l., works ton. 56.75 - —
powd., bgs., c.l. works ton. 95.25 - —
ton lots ex whse., N Y or Chi ton. 140.00 - —
less ton lots same basis ton. 145.00 - —
bbls., c.l. works ton. 115.25 - —
ton lots, ex whse., N Y or Chi ton. 160.00 - —
less ton lots same basis. ton 165.00 - —
bulk c.l., works ton. 91 75 - —
USP $25 per ton higher.

Broenner's, bbls lb. 1.34 - —

Butyric, 99%, dms, c.l. works lb. .36½- —
t.c.l., works lb. .37 - —
tankcars, works lb. .35 - —

Cacodylic, bots. lb. 10.00 - 11.00

Camphoric, natural, dms lb 5.00 - 5.65
synth., dms lb 4.00 4 75

Capric, 70%, dms lb. .27¾- .28½

Caprylic, 65%, dms lb. .49¼- .50

Castor oil, split, dms lb. .27 - .27½

Chlorosulphonic, dms., c.l., works. lb. .03¼- —
t.c.l., works lb. .03¾- —
tanks, works lb. .02¾- —

Chromic, 99½-99¾% dms., c.l. works lb. .25½- —
t.c.l., works lb. .26 .27
USP (see Chromium trioxide).

Cinnamic, retd., bots lb 2.50 4.00

Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½- —
10,000 lbs., 1 ship't. lb .27 - —
smaller lots lb .27½- —
kgs. lb .28½- —
gran., fine gran., dms., c.l. lb. .24½- —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½- —
kgs. lb. .26½- —
USP citric acid powder ½c. per lb higher.

Cleve's, mixed, bls lb. .72 - —

Coconut oil, dist., dms lb. .25½- .26
double dist., dms lb. .27½- .28

Cottonseed oil, dist., dms lb. .14 - .15½
double dist., dms lb. .14½- .15¾

Cresylic, dom., coaltar, 50% above 207°C, non-ret. dms., c.l., frt. equald gal. .81 - 96
t.c.l., non ret. dms., same basis gal. .84 - .99
ret. dms., c.l., same basis gal. .83 - —
t.c.l., same basis gal. .86 - —

Acid, cresylic, dom., coaltar, 50% above 207°C, tanks, same basis gal. .75 - .85
204° to 207° C, non-ret. dms., c.l., same basis gal. .91 - .96
t.c.l., same basis gal. .94 - .99
ret. dms., c.l., same basis. gal. .86 - —
t.c.l., same basis gal. .91 - —
tanks, same basis gal. .80 - .85

petroleum, 179°C to 198°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .67½- —
t.c.l., same basis gal. .69½- .71½
tanks, same basis gal. .57 - —

193° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .55½- —
t.c.l., same basis gal. .57½- .59½
tanks, same basis gal. .45 - —

200°C to 222°C, tanks, Wilmington, Cal gal. .40½- —

211°C to 236°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .53½- —
t.c.l., same basis gal. .55½- .57½
tanks, same basis gal. .43 - —

220°C to 242°C, tanks, Wilmington, Cal gal. .38½- .41½

237°C to 265°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .51½- —
t.c.l., same basis gal. .53½- .55½
tanks, same basis gal. .41 - —

245°C to 298°C, tanks, Wilmington, Cal gal. .36½- —

293°C to 325°C, tanks, Wilmington, Cal gal. .26½- —

imported, coaltar, 75% at 215°C or over, dms., c.i.f. gal. .52½- .57½

Crotonic, fib dms, works lb .29 —

Cyanoacetic, tech, bbls lb. .90 - 1.25

Desoxycholic lb. 17.00 - 22.00

Dichlorophenoxyacetic, (see "D" 2, 4-D)

Diethylbarbituric (see Barbital)

Diglycolic, bgs., works lb. .14 - —

Ethylhexoic, dms, c.l., works lb. .32 - —
t.c.l., works lb. .32½- —
tanks, works lb. .30½- —

F, bbls., works lb. 1.87 1.93

Folic, bots, fib cans, kilo or more gram 2.00 —

Formic, 85%, cbys, c.l. works lb. .13 - .13½
t.c.l., works lb. .13½- .14
90%, cbys., c.l., works lb. .13½- .14
t.c.l., works lb. .14 - .14½

Fumaric, tech., bbls., dms lb. .30 .31

Gallic, NF VII, bbls., 1,000-lb. lots lb 1.60 —
smaller lots lb 1.63 1.65
technical, bbls., 1,000-lb. lots lb 1.43 —
smaller lots lb 1.46 1 48

Gamma, bbls lb. 1.20 - 1.32

Acid, gluconic, tech., 50%, bots lb. .23 - .31
dms lb. .14 - —
kgs. lb. .16 —

Glutamic, laevo, 99%, fiber dms., 100 lb lots, works lb 2.20 2.40
25 lb. lots lb 2.45 —

Glycerophosphoric, 35%, dms., works lb 2.13 2.23

Glycolic (see Acid, hydroxyacetic).

H, 100% basis, bbls., works lb. .73½- —

Hydriodic, 45-47%, cbys lb 2.57 - 2.59
57%, cbys lb 2.86 - —

Hydrobromic, medicinal, 48%, cbys., dlvd E lb 38 —
tech., 48%, cbys., dlvd E lb 34 .36
34%, cbys., dlvd E lb .35 .37

Hydrochloric (see Acid, muriatic).

Hydrocyanic, cyls., works lb 1.00 —
dilute, NF, 2%, 5-lb bots lb. .37 - —

Hydrofluoric, anhyd., cyls., works. lb. .19 - .19½
tanks, works lb. .16½ —
30%, wood or rubber, dms., works lb. .08½- 09
70%, steel dms., works lb. .143 - .148

Hydrofluosilicic, 30-35%, bbls lb. 08 .09

Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb 084 - —
tanks, Belle W Va., 100% basis lb. 085 —

Hypophosphorus, purif., 50%, cbys. lb 1.30 1.32
USP, cbys lb. .78 —

J, bbls., works, 100% basis lb 2.50 2.65

L, bbls., works lb. 1.25 - —

Lactic edible, 50%, bbls., 20 or more lb. .18½- —
smaller lots lb. .19 - —
80%, bbls. 20 bbls. or more. lb. .285 .339
plastic grade, 50% bbls., 20 or more lb. .19¾ —
10 or less lb .20¾ —
80%, bbls., 5 or less lb. .3495 .3549
tech., 22%, bbls., t.l., works 100 lbs. 5.80 —
t.c.l., works 100 lbs. 6.20 —
cbys., works 100 lbs. 6.70 —
44%, bbls., c.l., works 100 lbs. 10.95 —
t.c.l., bbls., works 100 lbs. 11.35 —
cbys., works 100 lbs. 11.85 —
NF, 85%, cbys lb. .69 72

Laurent's, bbls lb. .60 - .87

Lauric, dist., 85-90%, dms lb. .30 - .30¾

Linseed oil, reg. dist., dms lb. .2170- .2220
water-white, dms lb. .2470- .2520

Maleic, powd., dms lb 30 .31

Malic, dms lb. .45 - —

Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 - —
smaller lots lb. 1.90 - 2.10

Methacrylic, dms., c.l., and truckloads, works lb. .76 - —
less than truckload, works lb. .76½- .80

Mixed, tanks, nitric unit lb. .05 06
sulphuric unit lb. .0085 009

Molybdic, dms., 85%-92%, works lb. .88 - —

Monochloroacetic, purified, flake, 99%, dms lb. .22½ .23¼
tech., flake, 96-97%, bbls lb. .18 - .19

Muriatic, 18°, cbys., c.l., works, 100 lbs. 1.90 - 2.13
t.c.l., works 100 lbs. 2.20 - 2.23
tanks, works ton. 20.00 - —
20°, cbys., c.l., works 100 lbs. 2.15 - 2.65
t.c.l., works 100 lbs. 2.45 - 3.75
tanks, works ton. 22.00 - —
22°, cbys., c.l., works 100 lbs. 2.65 - —
t.c.l., works 100 lbs. 3.05 - 3.75
tanks, works ton. 27.00 - —
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾ —
t.c.l., same basis lb. .09¼ 09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾ —
t.c.l., same basis lb. .14¼ .15¼

Acid, muriatic, CP, USP, prices to dealers 1½c. per lb. less.

Myristic, dist., dms lb. .30½- —

Naphthenic, 220-230 acidity, dms., works lb. .13 - —
tanks, works lb. .11 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —

Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's).

Naphthol (1)-5-sulphonic (see Acid L).

Naphthol(1)-5-sulphonic,8-amino (see Acid, S).

Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).

Naphthol(2)-6,8-disulphonic (see Acid, Gamma)

(2)-7-Sulphonic,2-amino (see Acid, J).

Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)

Naphthylamine(1)-3-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broenner's)
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias)

Neville and Winther's, dms lb. .88 - .97

Nicotinic, USP, dms., frt adjusted kilo. 8.00 8.30

Nicotinic amide (see Nicotinamide).

Nitric, 36° cbys., c.l., E. works 100 lbs. 5.00 - —
t.c.l., E. works 100 lbs 5.40 6.10
38°, cbys. c.l., E. works 100 lbs. 5.50 —
t.c.l., E. works 100 lbs. 5.90 6.60
40° cbys. c.l., E. works 100 lbs. 6.00 6.50
t.c.l., E. works 100 lbs. 6.40 7.10
42°, cbys., c.l., E. works 100 lbs. 6.50 7.00
t.c.l., E. works 100 lbs. 6.90 7.60
CP, NF, consumers, cbys., extra, c.l., frt. equald lb. .11½ —
t.c.l., same basis lb. .13 .13¼
5 pint bottles extra, cs., c.l., frt. equald lb. .15½ —
t.c.l. same basis lb. .17 .18

Acid, nitric, CP, NF, prices to dealers 1½c. per lb. less.

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dist.	distilled	neut.	neutral.
		dextro.	dextrorotatory	NF	National Formulary
alld.	allowed	distr.	distributor		
ammo.	ammonia	djns.	demijohns	nom.	nominal
amorph.	amorphous	dlvd.	delivered	No.	number
anhyd.	anhydrous	dms.	drums	ord.	ordinary
a.p.a.	available phosphoric acid	dom.	domestic	oz.	ounce
		E.	east	Pac.	Pacific
artif.	artificial	e.p.	end point	pf.	proof
ASTM.	American Society for Testing Materials	equald.	equalized	phos.	phosphate
		F.	fahrenheit	photo.	photographic
Be.	Baume	ferment.	fermentation	pkgs.	packages
bgs.	bags	ffa.	free fatty acid	powd.	powdered
bbls.	barrels	ffc.	free from chlorine	precip.	precipitated
bls.	bales			prod.	producer
bots.	bottles	fib.	fiber	pt.	point
b.p.	boiling point	f.o.b.	free on board	pulv.	pulverized
b.p.l.	bone phosphate of lime	F.P.A.	free of prussic acid	purif.	purified
		frt.	freight	redist.	redistilled
b.r.	boiling range	fus.	fused	refd.	refined
bxs.	boxes	gal.	gallon	refy.	refinery
C	cenugrade	gran.	granular	reg.	regular
cbys.	carboys	grd.	ground	resub.	resublimed
CD	completely denatured	f.&a.	iron and aluminum	ret.	returnable
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	SD	specially denatured
				s.d	single distilled
cks.	casks	imp.	imported	S E.	southeast
c.l.	car lots	incl.	included	secs.	seconds
cns.	cans	indust.	industrial	s.g.	specific gravity
col.	color			ship't	shipment
com'l	commercial	kgs.	kegs	solut.	solution
conc.	concentrated	lacq.	lacquer	s.u.	standard unit
CP	chemically pure	lb.	pound	synth.	synthetic
cps.	centipoises	l.c.l.	less than car lots	tech.	technical
cryst.	crystal	liq.	liquid	USP	U S Pharmacopoeia
cs.	cases	m.a.p.	mixed aniline point	vis.	viscosity
ctns.	cartons			VM&P	varnish makers & painters
cyls.	cylinders	min.	minimum		
dbl.	double	m.p.	melting point	W	west
denat.	denatured	N.	nitrogen	w.w.	water white
dest.-dist.	destructive-distilled	nat.	natural	whse.	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

Acid, Octoic—Alcohol, Phenylethyl

Acid, octoic (see Acid, ethylhexoic).
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms., ton lots, works lb. .62 - —
smaller lots, works lb. .64 - —
Oxalic, bbls., c.l., works lb. .14½- —
10,000 lbs., works lb. .14½- —
smaller lots, works lb. 15¼- 15¼
Palm oil, white, dist., dms lb. .21¼- .21¾
Para-aminobenzoic, purified, dms., 100 lbs. or more, works lb. 3.75 - —
smaller lots, works lb. 3.85 - 4.00
technical, dms lb. 1.84 - —
Para-aminosalicylic, dms., 1,000-lb. lots or more lb. 5.50 - —
smaller lots lb. 5.55 - 6.50
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, dms lb. .87 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - —
Peanut oil, s.d., dms lb. .12¾- .13¼
Perchloric, 60%, cbys., works lb. .58 - .62
70-72%, cbys., works lb. .61 - .66
Phenylacetic, bots lb. 1.45 - 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs. 6.50 - —
l.c.l., works, frt. alld. 100 lbs. 7.50 - —
tanks, works, frt. equald 100 lbs. 4.50 - —
NF, 85%, cbys., c.l lb. .10½- —
For shipments in cbys., add handling charges.
Picramic ogs lb. .65 - .70
Picric, NF, 300 lb. bbls lb. .50 - —
smaller lots, dms lb. .81 - .87
tech., bbls. lb. .32 - .33
Acid, propionic, natural, dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .21 - —
tanks, works lb. .19 - —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb. 2.95 - 3.18
resub., dms lb. 3.30 - 3.45
Pyroligneous, dms. incl., l.c.l., ex whse gal. .43 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.97 - 3.00
Salicylic, crude, bbls lb. .28 - —
sublimed, tech., bbls., c.l. lb. .31 - —
l.c.l. lb. .38 - —
dvestuffs grade, bbls lb. .32 - —
USP, cryst., bbls lb. .40 - —
powder, bbls. lb. .45 - —
Sebacic, purified, dms., c.l., works. lb. .47 - —
smaller lots lb. .49 - .53
l.c.l., works lb. .53
Soybean oil, single, dist., dms. lb. .15¾- .17
double dist., dms lb. .16¾- .18
Stearic, double pressed, bgs lb. .16½- .17¾
single-pressed, bgs lb. .15½- .16¾
triple-pressed, bgs lb. .18¾- .20
Succinic, purified, cryst., bbls., works lb. .75 - —
tech., bbls., works lb. .65 - .75
Sulphanilic, tech., dms., c.s., works lb. .15 - —
l.c.l., works lb. .17 - .19
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.65 - —
l.c.l., works 100 lbs. 1.95 - 2.30
tanks, works ton. 14.40 -14.50
66° Be, cbys., c.l., works 100 lbs. 1.90 - —
l.c.l., works 100 lbs. 2.30 - 2.75
tanks, works ton. 17.75 -18.00
98%, tanks, works ton. 18.80 -19.00
Acid, sulphuric, CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
1 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. .12¾- .13¾
fuming, 20%, tanks, works ton. 19.85 -20.00
acid sulphuric, CP, NF prices to dealers 1½c. per lb. less.
Tallow, dist., dms lb. .13 - .14¼
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76%, dms. lb. .86 - .90
fluffy, bbls., 1,000-lb. lots lb. 1.45 - —
smaller lots lb. 1.46 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.36 - 1.50
Tartaric, USP, dom., 230, 250-lb. dms., 10,000 lbs., 1 ship't. lb. .29½- —
smaller lots lb. .30 - —
100-lb. dms lb. .31 - —
small dms lb. .33 - .35
imported, kgs lb. .27 - .29
Thioglycolic, refined, bbls., cbys., basis 100% lb. 1.60 - 1.80
tech., bbls., cbys., basis 100% lb. 1.40 - —
Tobias, bbls. lb. .65 - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Toluenesulphonic, dms., c.l., works lb. .18½- —
l.c.l., works lb. .20 - —
tanks, works lb. .17 - —
Tungstic, tech., kgs., works lb. 2.20 - 2.40
Undecylenic, dms lb. 1.00 - 1.25
Aconite leaves, bls lb. .55 - .60
Root, bls lb. .48 - .52
Aconitine, amorph., mild, bots oz. 27.50 -32.50
cryst., potent, bots oz. 78.00 -85.00
Acrolein, dms., works lb. .50 - —
Acrylonitrile, dms., c.l., works lb. .40½- —
l.c.l., works lb. .41 - .60
tanks, works lb. .39 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .30 - .40
Agar, USP, Kobe, No. 1 strip, bls lb. 1.28 - 1.30
powdered, 30 mesh, fib. dms lb. 1.65 - —
Agaric, white, bls lb. 1.60 - 1.75
Agrimony herb, bls lb. .30 - .35
Alanine, dextro-laevo, dms., works, lb. 8.50 -11.00
Albumen (eggs), edible, flake, bbls. lb. 1.30 - 1.32
powd., bbls lb. 1.33 - 1.35
tech., cryst., bbls lb. .77 - .79
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .65 - .70
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾- —
l.c.l., dlvd lb. .32½- —
tanks, dlvd. lb. .30 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. Miss lb. .16¾- —
l.c.l., frt. alld. E. of Miss lb. .17¾- —
tanks, frt. alld. E. of Miss lb. .15 - —
(see also Fusel oil, ref.)
fermentation, refined, 126-132°C, dms., c.l., dlvd lb. .33¾- —
l.c.l., dlvd lb. .34¾- —
tanks, dlvd lb. .32 - —
128-132°C, dms., l.c.l., dlvd. lb. .36 - —
ACS grade, dms., l.c.l., dlvd lb. .42 - —
Benzyl, NF, dms lb. .58½- .89
tech., dms., works, frt. equald. lb. .45 .50
Butyl, fermentation, normal dms., c.l., frt. alld lb. .13¾- .14¾
l.c.l., frt. alld lb. .14¾- .15¾
tanks, frt. alld lb. .12 - .13
synthetic, normal, dms., c.l., frt. alld lb. .14¾- —
l.c.l., frt. alld lb. .15¾- —
tanks, frt. alld lb. .13 - —
secondary, dms., c.l., frt. alld. lb. .10¾- .11¾
l.c.l., dlvd., frt. alld lb. .11½- .12⅛
tanks, dlvd., frt. alld lb. .09 - .10
tertiary, dms., c.l., frt. alld. lb. .13¾- —
l.c.l., frt. alld lb. .14½- —
tanks, frt. alld .12 - —
Capryl, dms., c.l., works lb. .26½- —
l.c.l., works lb. .27½- —
tanks, works lb. .25 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs. lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots lb. 2.75 - 3.20
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. gal. .54½- .60⅛
l.c.l., dlvd. E. of Miss. R. gal. .58½- .69⅛
tanks, dlvd. E. of Miss. R. gal. .42½- .48⅛
Tankcar sales require written authorization by Alcohol Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Miss. R. gal. .54½- .60⅛
l.c.l., same basis gal. .58½- .69⅛
tanks, same basis gal. .42½- .48⅛
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. gal. .53 - .59
l.c.l., same basis gal. .57 - .68
tanks, same basis gal. .41 - .47
SD2B, dms., c.l., E. of Miss. R. gal. .52 - .58
l.c.l., same basis gal. .56 - .67
tanks, same basis gal. .40 - .46
SD3A, dms., c.l., E. of Miss. R. gal. .51½- —
l.c.l., same basis gal. .55½- .60⅛
tanks, same basis gal. .39½- —
SD23A, dms., c.l., E. of Miss. R. gal. .53½- —
l.c.l., same basis gal. .57½- .62⅛
tanks, same basis gal. .41½- —
SD23H, dms., c.l., E. of Miss. R. gal. .54 - —
l.c.l., same basis gal. .58 - .63
tanks, same basis gal. .42 - —
SD27A, dms., c.l., E. of Miss. R. gal. .84 - —
l.c.l., same basis gal. .88 - .93
tanks, same basis gal. .72 - —
SDJ0, dms, c.l., E. of Miss. R. gal. .51 - —
l.c.l., same basis gal. .55 - .60
tanks, same basis gal. .39 - —
SD35A, dms., c.l., E. of Miss. R. gal. .53½- —
l.c.l., same basis gal. .57½- .62⅛
tanks, same basis gal. .41½- —
SD40, dms., c.l., E. of Miss. R. gal. .52 - .53
l.c.l., same basis gal. .56 - .62
tanks, same basis gal. .40 - .41
Diacetone, acetone free, dms., c.l., dlvd. lb. .13¾- —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼- —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R. gal. 17.61 -17.67
l.c.l., same basis gal. 17.65 -17.76
tanks, same basis gal. 17.49 -17.55
tax free, dms., c.l., dlvd. E. Miss. R. gal. .51 - .57
l.c.l., same basis gal. .55 - .66
tanks, same basis gal. .38 - .45
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.56 - —
l.c.l., same basis gal. 18.60 -18.65
tanks, same basis gal. 18.44 - —
Ethylbutyl, dms, c.l., works lb. .29½- —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd lb. .29¼- —
l.c.l., dlvd lb. .30¼- —
tanks, dlvd lb. .27¾- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .13¾- —
l.c.l., works lb. .14¾- —
tanks, dlvd lb. .12 - —
Iso-octyl, dms., c.l., works lb. .29¼- —
l.c.l., works lb. .29¾- —
tanks, works lb. .26¼- —
Isopropyl, refd., 91%, dms. incl., c.l., dlvd gal. .44 - —
l.c.l., dlvd gal. .49 - —
tanks, dlvd gal. .32 - —
95%, dms. incl., c.l., dlvd gal. .45½- —
l.c.l., dlvd gal. .50½- —
tanks, dlvd gal. .33½- —
99%, dms., incl., c.l., dlvd gal. .47 - —
l.c.l., dlvd gal. .52 - —
tanks, dlvd gal. .35 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methyl-isobutyl).
Nonyl (see Trimethylhexanol).
Octyl, perfumer's grade, bots lb. 1.70 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns lb. 1.30 - 1.60

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Make Concord your constant source of supply for highest grade Cresylic Acid — 99/100% Pale. Prices are lowest obtainable!

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For cake soap made with Palm Fatty Acids produces the finest, richest lather... and ladies like lots of lather. So smart manufacturers, wise to the ways of consumers, use Woburn Palm Fatty Acids in their soaps—and reap bigger sales from more satisfied customers.

If you make soap, why monkey around with anything but the best. Specify Woburn Palm Fatty Acids in your processing—we'll make it to the standards you require. Like all our products, Woburn Palm Fatty Acids are made from quality materials under rigid production controls.

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Alcohol, Polyvinyl—Ammonium Thiocyanate

Alcohol, polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., dlvd. lb. .09¾- —
works lb. .08¼- —
l.c.l., dlvd lb. .10½- —
works lb. .09 - —
tanks, dlvd lb. .08 - —
works lb. .06½- —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Waverly, N. Y. lb. .47 - —
dms., Niagara Falls, N. Y. lb. .40½- —
l.c.l., Waverly, N. Y. lb. .42½- —
tanks, Niagara Falls, N. Y lb. .38 - —
Industrial grade, dms., c.l., Niagara Falls, N. Y. lb. .29 - —
l.c.l., Waverly, N. Y. lb. .30½- —
tanks, Niagara Falls, N. Y. lb. .26½- —
Aldol, 95%, dms., works lb. .15 - .16
denaturing grade dms. gal. 1.33 - 1.48
Aldrin, 60% solut., dms., c.l., works, frt. alld lb. .97 - —
l.c.l., works, frt. alld lb. 1.05 - —
Aletris root, brs. lb 1.50 - 1.60
Algin, bbls., fib. dms. lb. .76 - 1.20
Alizarin (see Red, alizarin)
Alkanet root, brs. lb. .35 - .40
Allethrin, 100%, dms., 1 to 10 dm.-lots lb. 45.00 - —
smaller lots, works lb. 50.00 - 55.00
solution, 20%, dms., 100 lb.-lots, works lb. 9.00 - —
10%, dms., works gal. 37.75 - —
2%, dms., works gal. 7.75 - —

Allspice, Jamaica (see Pimento).
Mexican, bgs. lb. .20 - .20½
Allyl bromide, cyd., 5,000 lbs., works lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd lb. .16¾- —
l.c.l., dlvd lb. .17½- —
tanks, dlvd. lb. .15 - —
Starch, solid, dms., works lb. .58 - —
solution, 40%, dms., works lb. .279 - .297
50%, dms., works lb. .446 - —
Aloe, Cape, cs. lb. .22 - .23
Curacao, kgs. lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, USP, bbls., dms., kgs lb. 3.50 - —
Alphanaphthol, bbls. lb. .70 - .77
Alphanaphthylamine, bbls. lb. .41 - .46
Alphanaphthylthiourea, 93-96%, fib. dms., works, frt. alld lb. 2.00 - 2.40
Alphanitronaphthalene, bbls. lb. .34 - .37
Alphapicoline, ret. dms. c.l. works, frt. equald lb. .29½- —
l.c.l., works, frt. equald lb. .30 - —
Alphapinene, tanks, South, works gal. No prices.
Alphaterpineol, dms., l.c.l., dlvd. E. lb. .17 - —
Alphatocopherol, bots. kilo. 350.00 - —
Acetate, bots kilo. 350.00 - —
Althea root, NF, peeled, bls lb. .30 - .40
Alum, ammonium, gran., bbls., works 100 lbs. 3.30 - —
lump, bbls., works 100 lbs. 4.05 - —
powd., bbls., works 100 lbs. 4.20 - —
USP, burnt, bbls. lb. .20 - .21
hydrous, bbls. lb. .07¾- .08

Alum, potassium, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.30 - —
powd., bbls., works 100 lbs. 4.45 - —
USP, burnt, bbls. lb. .20 - .21
hydrous, bbls lb. .07¾- .08
Potash-chrome, dms lb. .17 - —
Soda, bbls., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd 100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works lb. .03½- .05
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 - —
20%, bbls., l.c.l., works lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works lb. .11 - —
l.c.l., works lb. .11½- —
cryst., com'l, dms., c.l. works lb. .0650- —
l.c.l., works lb. .0690- —
NF, gran., dms., works lb. .27 - .28
solution, 32°, chys., c.l., works lb. .03¼- —
l.c.l., works lb. .04 - —
Fluoride, tech., anhyd., bbls., c.l., works lb. .10 - —
l.c.l., works lb. .11 - .13
Formate, basic solution, chys., c.l lb. .09½- —
l.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton. 50.00 - 54.00
l.c.l., works ton. 72.00 - 86.00
light, bgs., dlvd lb. .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .21¼- —
contract, works lb. .20¼- —
8-9½% Al_2O_3, fib. dms., works lb. .18¼- —
contract, works lb. .17¼- —
dried, USP XII, fib. dms., works, lb. .79½- —
contract, works lb. .76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls lb. .38½- —
Linoleate, solid, dms., frt. alld lb. .39½

Aluminum, metal, 99%+, ingots, 10,000 lbs. lb. .17½- .18¼
pigs, 10,000 lbs. lb. .16½- .17½
Naphthenate, liquid, 1.7%, frt. alld lb. .24½- .25
Oleate, dms., precip lb. .35¼- —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld. lb. .14 - .15
kgs., ton, frt. alld lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
200-400 mesh, dms., frt. alld lb. .32 - .33
kgs., frt. alld lb. .31 - —
800 mesh, dms., frt. alld lb. .35 - .37
kgs., frt. alld lb. .34 - —
600 mesh, dms., frt. alld. lb. .51 - .53
kgs. frt. alld lb 50 - —
Aluminum oxide flour prices W of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd lb. .56 - .56
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld lb .15 - —
Paste, lining, extra fine, dms lb. .58 - —
standard, dms lb. .38¼- —
Powder, lining, extra fine, dms lb. .96 - —
standard, dms lb. .64½- —
rubber comp., dms lb. .48½- —
unpolished, standard, dms lb. 44½- —
varnish standard, dms lb 49 - —
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.
Resinate, precip., dms., frt. alld. lb. .24 - —
Stearate, dibasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
monobasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
tribasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
Sulphate, com'l, bgs., c.l., works, equald 100 lbs. 1.50 - —
l.c.l., same basis 100 lbs. 1.90 - —
Iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.75 - —
l.c.l., works 100 lbs. 3.15 - —
NF, gran., dms., works lb. .27 - .28
powd., dms., works lb. .32 - .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots oz. 8.00 - 10.00
Aminoazotoluene bbls lb. 1.03 - —
Aminomethylpropanol, cns., dms., works lb. .65 - .69
Aminoethylethanolamine, dms., c.l., works lb. .42 - —
l.c.l., works lb. .42½- —
tanks works lb. .40 - —
Aminophylline USP 100-lb dms lb. 5.35 - —
Aminopyrine USP bots. dms lb 6.00 - 6.15
Ammonia, anhydrous, fertilizer tanks, works ton. 74.00 - 75.00
pure, cyls., extra, zone 1 lb. .17 - .17½
2 lb. .19 - .19½
3 lb. .21 - .21½
4 lb. .16 - .19½
refrigeration, tanks, works ton. 76.50 - 77.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 - —
l.c.l., works 100 lbs. 3.50 - —
tanks, works, anhyd. basis ton. 80.00 - 81.00
Ammoniac gum (see Gum Ammoniac)
Sal, gray, bgs., c.l., works, frt. equald 100 lbs. 6.55 - —
l.c.l., same basis 100 lbs. 6.95 - —
white, gran., bgs. c.l., works 100 lbs. 4.60 - —
l.c.l. works 100 lbs. 6.25 - —
Ammoniacal liquor, tankcars, works, anhyd. basis ton. 75.00 - 80.00
Ammonium acetate, purified, dms lb. .39 - .40
reagent, jars lb. .61 - .63
Benzoate, USP dms., kgs., 4,000 lbs., frt. alld lb. .80 - —
smaller lots, frt. alld lb. .81 - 1.08
Biborate, bbls., c.l., works ton. 302.00 - —
ton lots, works ton. 355.50 - —
less ton lots, works ton. 360.50 - —
Bicarbonate, dms., c.l., works lb. .05½- —
l.c.l., works lb. .06 - —
Bichromate, bbls., works lb. .31 - .36
Bifluoride dms. dlvd lb. .18 - .18¼
Bromide, gran., NF, bbls. lb. .36 - .37
dms. lb. .37 - .40
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms. lb. .20 - .21
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms. lb. .18 - .19
Citrate, dibasic, bbls. lb. .75 - —
dms. lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua)
Hypophosphite, NF, dms. lb 2.40 - —
Iodide, NF, jars lb. 3.81 - 3.91
Linoleate, plastic, 80% dms., works lb. .40½- —
kgs., works lb. .42½- —
25%, dms., frt. alld. lb. .21½- —
tech., bbls., works lb. .37 - —
dms., works lb. .39 - —
Molybdate, chemical grade, bbls., kgs. lb. .85 - —
metal grade, kgs. lb. .90 - —
tech. grade, bbls., kgs lb. .80 - —
Nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point ton. 57.50 - —
dom., ogs., western works ton. 58.00 - —
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va. ton. 46.00 - —
Oleate, dms., precip lb. .23¼- —
Oxalate, fine gran., dms lb. .25 - .31
Pentaborate, gran., bbls., c.l., works ton. 212.00 - —
ton lots, works ton. 265.50 - —
less ton lots, works ton. 270.50 - —
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works lb. .50 - .75
Persulphate, kgs lb. .25½- .28¼
Phosphate, com'l, bgs., c.l., works, lb. .06 - —
l.c.l., works lb. .08½- —
dibasic, NF V, bbls., dms. lb. .40 - —
tech., bgs., c.l., works lb. .08 - —
l.c.l., works lb. .08½- —
Salicylate, NF, dms., kgs. lb. 1.25 - 1.28
Silicofluoride, dms., works lb. .12 - .13
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens ton. 32.00 - 37.00
converters', bulk, works ton. 37.50 - 38.00
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works, lb. .10½- —
l.c.l., works lb. .15½- —
tanks, dlvd. or frt. alld lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works lb. .18 - —
l.c.l., works lb. .19 - .19

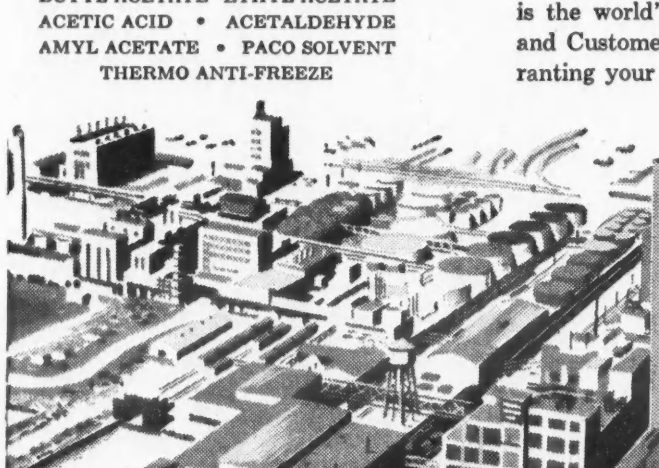
PUBLICKER PRODUCTS INCLUDE:

ETHYL ALCOHOL

- Pure (USP)
- Denatured
- Proprietary Solvent
- Anhydrous (200 proof)

ACETONE • BUTYL ALCOHOL
BUTYL ACETATE ETHYL ACETATE
ACETIC ACID • ACETALDEHYDE
AMYL ACETATE • PACO SOLVENT
THERMO ANTI-FREEZE

WHETHER you're filling a formula that calls for ethyl alcohol as "2 ccm sp. vini sicat ux" or using a tank car a day, Publicker can supply you with products of known purity and absolute uniformity—always. And, while our productive capacity is the world's largest, we consider Quality Control and Customer Service of greater importance in warranting your patronage. Get in touch with us today.



PUBLICKER INDUSTRIES INC.

1429 WALNUT STREET, PHILA. 2, PA.

ONE OF THE WORLD'S LARGEST PRODUCERS OF ALCOHOLS AND SOLVENTS

Ammonium thioglycollate, commercial, 100% basis, cbys.	lb.	1.40	- 1.95
highly purified, same basis	lb.	1.70	- 2.25
Thiosulphate, cryst., jars, works	lb.	.32	- —
Amphetamine citrate, dextro, bots.	lb.	36.00	- —
dextro-laevo, dms	lb	6.50	- —
Hydrochloride, dextro, dibasic, bots	lb.	36.00	- —
monobasic, bots	lb.	34.00	- —
dextro-laevo, dms	lb.	6.50	- —
Phosphate, dextro dibasic, bots.	lb.	36.00	- —
dextro-laevo, dibasic, dms	lb	6.50	- —
monobasic, dms	lb.	6.00	- —
Sulphate, dextro, dms	lb.	36.00	- —
dextro-laevo, dms	lb.	6.50	- —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd	lb.	.19¾	- —
l.c.l., dlvd	lb.	.20¾	- —
tanks, dlvd	lb.	.18	- —
ex pentane dms., c.l., frt. alld. E. of Miss. R	lb.	.16	- —
l.c.l., same basis	lb.	.17	- —
tanks, same basis	lb.	.15	- —
Alcohol (see Alcohol, amyl).			
Butyrate, dms	lb.	.90	- 1.00
Nitrite, USP, bots	lb.	1.75	- 1.83
Salicylate, cns., dms	lb.	.76	- 81
Anethol, NF, cns., dms	lb.	.95	- 1.25
Angelica root, dom., bls	lb.	.65	70
imported, bls	lb.	.70	- 75
Angostura bark, bls	lb.	.44	49
Aniline oil, dms., c.l., works, frt. alld	lb.	.17	- —
l.c.l., works, frt. alld	lb.	.16	- —
tanks, works, frt. alld	lb.	.15	- —
Salt, dms., works	lb.	.26	—
Anise, Argentine, bgs	lb.	No stocks.	
Chinese, star	lb.	.24	- .25
Cyprus, bgs	lb.	.20	- .20½
Czech, bgs	lb.	.13½	- .14
Mexican, bgs	lb.	.15½	- .16
Syrian, bgs	lb.	.15	Nom.
Turkish, bgs.	lb.	.13½	- .14
Anisic aldehyde, bots., dms	lb.	2.00	- 2.45
Annatto powder, dms	lb.	.24	- .25
Seed, bgs	lb.	.16	- .19
Anthracene, 80-85%, bbls., works	lb.	1.10	- —
90%, bbls., works	lb.	1.25	- —
Anthraquinone 99.5% bbls	lb	65	—
Antimony butter (see Antimony trichloride).			
Metal, bulk, c.l., mines	lb.	.24½	- —
cases, c.l., mines	lb.	25	- —
Oxide, bgs., c.l., frt. alld	lb.	.21¾	- —
l.c.l., frt. alld	lb.	.22¾	- —
Trichloride, pails, works	lb.	.29	- .31
solution, cbys.	lb	.29	30
Salt, 65%, bgs., c.l., dlvd E. of Miss	lb.	No stocks.	
Sulphide, 62-64%, bgs., frt. alld., dlvd	lb.	.20	23
Antimony-potassium tartrate (see Tartar emetic).			
Antipyrene, USP dms	lb	2.35	2.45
Apomorphine, USP bots.	oz.	23.20	-23.70
Archil extract, bbls	lb	No stocks.	
Areca nuts, powd., bbls	lb.	.15	- .16
Arecoline hydrobromide NF, bots.	oz.	5.00	5.75
Arginine hydrochloride, laevo, kilo.		70.00	-80.00
Argols, min. 50%, bgs., shipment ports, per 100 kilos (100% purity)		15.00	-16.25
Arnica, flowers, bls	lb.	.45	- .50
root, bls.	lb.	1.45	—
Arrowroot, powd., bgs	lb.	.14	- .16
Arsenic, metal, lump, bbls., prompt shipt	lb.	.80	.90
Sulphide, yellow, bbls	lb.	No stocks	
Trioxide, USP, dms	lb.	.40	42
White, powd. bbls., c.l., dlvd	lb.	.05½	—
l.c.l., dlvd	lb.	.06¼	- .06¾
Asafetida, cs.	lb.	.32	35
powd., bbls., dms	lb.	.50	52
Asbestine (see Talc fibrous N. Y.)			
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines	ton.	940.00	-960 00
No. 2, c.l. (20 tons), mines	ton.	465 00	-492 00
Run-of-mine, c.l. (20 tons), mines	ton.	400.00	—
fiber, 3K, c.l. (20 tons), mines	ton.	313.00	- —
3R, c.l. (20 tons), mines	ton.	267.00	- —
3T, c.l. (20 tons), mines	ton.	249.50	- —
3Z, c.l. (20 tons), mines	ton.	231.00	- —
4K, c.l. (20 tons), mines	ton.	124.50	- —
4M, c.l. (20 tons), mines	ton.	124.00	- —
4T, c.l. (20 tons), mines	ton.	111.50	-141.00
4Z, c.l. (20 tons), mines	ton.	111.50	- —
5D, c.l. (20 tons), mines	ton.	88.00	- —
5K, c.l. (20 tons), mines	ton.	88.00	- —
5M, c.l. (20 tons), mines	ton.	84.00	- —
5R, c.l. (20 tons), mines	ton.	78.50	-79.00
6D, c.l. (30 tons), mines	ton.	56.00	-59.00
7D, c.l. 30 tons), mines	ton	52.00	-52.50
7F, c.l. (30 tons), mines	ton.	49.00	-49.50
7H, c.l. (30 tons), mines	ton.	41.50	-42.00
7K, c.l. (30 tons), mines	ton.	35.00	-35.50
7M, c.l. (30 tons), mines	ton.	30.50	-31.00
7R, c.l. (30 tons), mines	ton.	29.50	-30.00
7T, c.l. (30 tons), mines	ton.	28.00	-28.50
7RF, c.l. (30 tons), mines	ton.	30.50	-31.00
7TF, c.l (30 tons), mines	ton.	30.50	-31.00
8S, c.l. (30 tons), mines	ton.	19.00	-27.00

Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l lots.

Asphaltum, cut-back, tanks, tank wagon, refinery	gal.	.09	- —
Emulsion, tanks, tank wagon, refinery	gal.	.09½	- .10
Gilsonite, brilliant black, selects, 270°-295° F, fusing point, bgs., f.o.b. Colo. mines	ton.	34.00	- —
seconds, 300°-390° F fusing point, not uniform, bgs., Colo. mines	ton.	31.00	- —
jet, bgs., ton lots, gross weight, Colo. mines	ton.	36.50	- —
Manjak, No. 10, crude, dms., works	lb.	.06½	- —
process form, bgs., works	lb.	.05¾	- .13
Steam-rfd., less than 80 penetration, tanks, tankwagon, refinery	ton.	22.00	- —
80-300 penetration, tanks, tankwagon, refinery	ton.	21.00	—
Atropine, USP, bots	oz.	10.50	-11.50
Sulphate, USP, bots	oz.	6.25	- 7.00

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units	vial.	.42	- —
10,000 units	vial.	.80	- —
50,000 units	vial.	2.88	- —
Balm of Gilead buds, dried, bgs.	lb.	1.35	- 1.45
Barbasco root (see Cube root).			
Barberry, root bark, bgs.	lb.	.40	- .41
tree bark, bgs.	lb.	.35	- .36
Barbital USP cons	lb	4.50	—
Sodium, USP, dms	lb.	4.77	- —
Barium carbonate precip., bgs., 10 tons and up, works	ton.	80.00	-85.00
smaller lots, works	ton.	90.00	-95.00
Chlorate, kgs., works	lb.	.25½	- .31
Chloride, NF, cryst., dms.	lb.	.17	- .18
tech., crystals, bgs., c.l., works.	ton.	100.00	- —
l.c.l., works	ton.	110.00	- —
Chromate, bgs. frt equald	lb	31½	- .32
Dioxide, dms., works	lb.	.12	- —
Hydrate, crystals, bgs.	lb.	09	- .09½
Hydroxide, anhyd., bbls., works	lb.	.19	- —
Iodide, bots.	lb	5.12	—
Monoxide (see Oxide).			
Nitrate, bbls., c.l., works	lb	.11½	- —
l.c.l., works	lb.	.13	- —

Barium oxide, grd., dms., c.l., works.	lb.	.11	- —
l.c.l., works	lb	.11½	- —
Peroxide (see Dioxide).			
Stearate, cns., c.l	lb	.24	- —
smaller lots	lb.	.35	- .36
Sulphate (see Barytes and Blanc fixe)			
X-ray, bbls.	lb.	.13	- .13½
Sulphide, dms., c.l., works	ton.	65.00	- —
l.c.l., works	ton	70.00	- —
Barium-potassium chromate, dms., c.l., frt alld	lb	20	- —
l.c.l. works	lb	21	- —
tech., bgs. c.l., works, frt. equald	ton.	90 00	- —
l.c.l. works	ton.	100 00	- —
Baryte ore, approx. 94% $BaSO_4$, bulk mines	ton	9.40	-12.50
Barytes, water-grd. paper bgs., c.a. St Louis	ton.	35 05	—
l.c.l., same basis	ton.	36.85	- —
ex whse., N Y	ton	49 65	- —
Southern off-color, bgs., mines	ton	19.00	- —
95 75% bgs. mines	ton.	20.00	—
Bay leaves (see Laurel leaves)			
Belladonna leaf, bls	lb.	.43	- .46
Root, bls.	lb.	.40	- .41
Bauxite, bulk, mines	ton	8.50	10 00
Bentonite, 200 mesh, bgs., works.	ton.	12.00	—
Benzaldehyde NF, dms	lb	68	—
tech, cbys, dms	lb	45	—
Benzal chloride cbys, works	lb	19	25
Benzene (see Benzol).			
Hexachloride, 99% gamma isomer (see Lindane)			
tech., bgs., dms., c.l., works, gamma unit	lb.	.01¾	—
l.c.l., works, unit	lb.	.02	- .02½
gamma, 50% dust, dry, distributors, dms., c.l., dlvd., gamma unit	lb.	.02	- —
l.c.l., dlvd., gamma unit	lb.	.02½	- —
wet, distributors, dms., c.l., dlvd., gamma unit	lb.	.02½	- —
l.c.l., dlvd., gamma unit	lb.	.03	- —

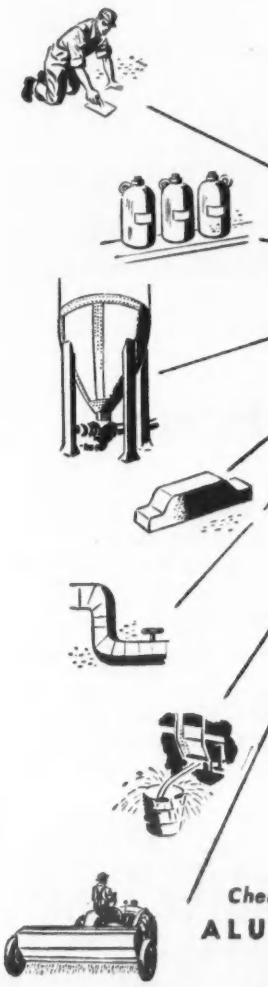
Ammonium Thioglycollate—Bismuth Subsalicylate

Benzidine base, bbls	lb	1.02	- —
Benzocaine, dms	lb.	3.25	- 3.35
Benzol (benzene), pure, nitration, tanks, works, Lackawanna, N. Y., Sparrows Point, Md	gal.	.27	- —
Bethlehem, Pa	gal.	.26	- —
Birmingham, Ala.; Chicago Dist.; Cleveland Dist.; Lone Star, Tex.; Geneva, Utah; Johnstown, Pa.; Lorain, Ohio; Minequa, Colo.; Philadelphia, Pa.; Pittsburgh Dist.; St. Louis, Mo.; Syracuse, N. Y.; Terre Haute, Ind.; Woodward, Ala.; Wyandotte, Mich.; Youngstown, Ohio	gal.	.25	- —
Benzophenone, dms	lb.	1.30	- 1.60
Benzotrichloride, cbys., frt. equald.	lb.	.18	- .20
Benzoyl chloride cbys, dms., c.l., works, frt. eq	lb.	.20½	- .21
l.c.l., same basis	lb.	.21½	- .22
Peroxide, pure, fib cins., works.	lb.	90	1.05
Benzyl acetate, f.f.c., cns., dms	lb.	.60	- .70
Alcohol (see Alcohol, benzyl).			
Benzoate, USP, f.f.c., cns., dms	lb.	.80	- —
Chloride, tech. cbys., c.l., works, frt. equald	lb.	.19	- .19½
l.c.l., same basis	lb.	.20	- .20½
high grade, 2c. higher.			
Cinnamate cns	lb	3.00	4.00
Formate, cns	lb.	1.60	- 2.10
Propionate, bots	lb.	1.35	- 1.65
Salicylate, bots	lb.	1.65	- 1.85

Benzylidinacetone, bots	lb.	1.80	- 2.45
Benzylisoeugenol, bots	lb.	8.90	- 9.50
Berberine, bisulphate, cns	lb.	35.00	-36.25
Hydrochloride, bots	lb.	35.00	-36.25
Sulphate, cns	lb.	35.00	-36 25
Berberis root, bls	lb	.35	40
Betagammapicoline dms., c.l. works.	lb.	.21	- .21¼
l.c.l., works	lb.	.21½	- .22
Betamethylnaphthalene, 32°C. m.p., dms., works	lb	90	—
Betanaphthol, resublimed, dms., works.	lb.	75	—
tech., bbls., c.l., works	lb.	.23½	- —
l.c.l., works	lb.	.30½	- —
Benzoate, fib. dms., works	lb.	1.70	- —
Salicylate, dms.	lb	5.00	- —
Betanaphthylamine, tech., bbls., works	lb.	.90	- —
Betaphenylethylamine, dms., works, 1,000-lb. lots	lb.	1.25	- —
smaller lots	lb.	1.60	- —
Betapicolin, 98%, dms., works	lb.	.95	- —
Beth root, bls.	lb	45	.50
Biotin, cryst.	gram.	10.00	- —
Bismuth chloride, jars	lb.	3.97	- —
Citrate, USP VIII, jars	lb.	3.28	- —
Hydroxide, dms	lb.	4.20	- —
Metal, bxs., ton lots	lb	2.00	- —
Nitrate, cryst., dms	lb.	1.87	- —
Oxychloride, dms.	lb.	3.97	- —
Oxide, anhydrous, dms	lb.	4.02	- —
Phenolsulphonate, fib. dms	lb.	4.70	- —
Subcarbonate, USP, dms	lb.	2.80	- —
Subgallate, NF fib. dms	lb.	2.75	- —
Subiodide, fib. dms	lb.	4.92	- —
Subnitrate, NF, dms	lb	2.50	- —
Subsalicylate, USP, dms	lb	3.20	- —

ALCAN MAGNESIA "90"

a high grade magnesia for the manufacture of...



1 Magnesium oxychloride and oxysulphate type of flooring

2 Refined magnesia chemicals requiring a high magnesia content material

3 Magnesium bisulphite liquor for the pulp and paper industry

4 Magnesium metal

5 Insulation —
85% magnesium for pipe insulation
Periclase for high temperature electrical insulation

6 Basic refractories — both chrome-magnesia and periclase for metallurgical and other processes.

7 Fertilizer — for magnesia deficient soils

Alcan's Magnesia "90" is derived from the mineral brucite ($Mg(OH_2)$,) which occurs in unusual form in deposits near Wakefield, Que. Although brucite exists elsewhere in commercial quantities, it is only from the Wakefield deposits that it can be recovered as a high grade magnesia concentrate having a unique granular structure.

Chemicals Division
ALUMINUM COMPANY OF CANADA, LTD.
1700 Sun Life Building, Montreal

EXPORT DISTRIBUTORS:

L'ALUMINIUM COMMERCIAL, S.A.
Zurich

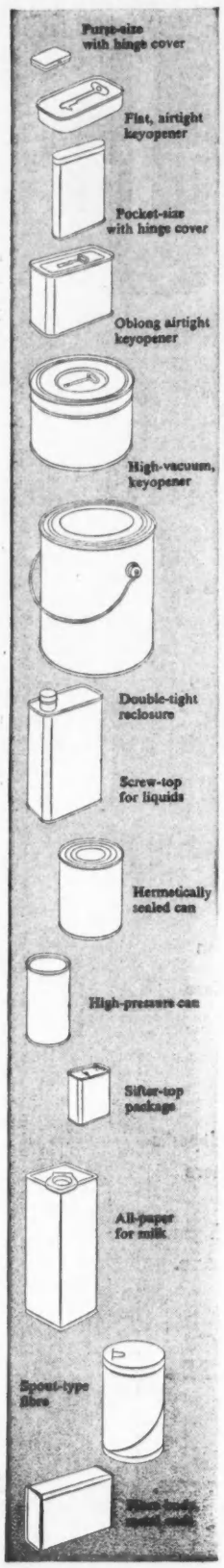
ALUMINIUM UNION LTD.
London Stockholm Madrid
Montreal Shanghai Sydney Calcutta

ALUMINUM IMPORT CORP.
New York
Buenos Aires Sao Paulo

Bismuth-Ammonium Citrate—Butyric Ether

Bismuth-ammonium citrate, USP, powd., dms lb. 3.82 • —
Black, acetylene, bgs., c.l., works lb. .13½- —
cs., l.c.l., shipt. point lb. .17 • .19
Bone, bgs., bbls., l.c.l., dlvd lb. .14¾- .22¾
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.
Carbon, channel, beads, bulk, c.l., works lb. .0650- —
bgs., c.l., works lb 0690- —
l.c.l., dlvd. or whse lb. .117 .1175
uncompressed, regular, bgs., c.l., works lb. .0832- —
bgs. ctns. l.c.l. dlvd or whse lb 13¾- —
furnace, fast extruding, bgs., c.l., works lb. .05½- —
ctns., l.c.l. whse lb 09½- —
high modulus, bgs. c.l., works. lb. .05 • —
ctns., l.c.l., whse lb. 09 —
semi-reinforcing bgs., c.l., works lb. 03½- —
ctns., l.c.l., whse lb. 07½- —
very fine, bgs., c.l., works lb 0740- —
l.c.l., dlvd., or whse lb. .12 • —
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works lb. .11 • —
l.c.l., works lb. .11¼- —
Lamp, bgs., c.l., works lb 07 .30
Mineral, bgs., works lb. 0160- 0675
Black ash (see Barium sulphide).
Blackberry bark of root, bls lb. .30 • .32
root, bls lb. .10 • .12
Black dyes (see Dyes).
Black haw, root bark, bls lb. .65 • .75
Tree bark, bls lb. .28 • .30
Black Indian hemp root, bls lb. .45 • .50
Blanc fixe, dry, by-product, bgs., c.l., works ton.85.00 • —
l.c.l., works ton.95.00 • —
direct process, bgs., c.l., works ton.85.00 • —
l.c.l., works ton.90.00 • —
N. Y. whse ton.113.00 • —
bbls., c.l., works ton.90.00 • —
l.c.l., works ton.95.00 • —
N. Y. whse ton. 118.00 • —
pulp, 66⅔% bbls. c.l., works. ton.69.00 • —
l.c.l., same basis ton.75.00 • —
Bleaching powder, dms., c.l., works, 100 lbs. 4.50 • —
l.c.l., works 100 lbs. 5.00 • —
Blood, dried, 16-16½% ammo., bgs. unit-ton. 8.00 • —
high-grade, unground, 16-17% ammon., bulk, Chicago unit-ton. 8.50 • —
soluble, bgs., cs lb. .15 • .16
l.c.l. lb. .16 • .18
Bloodroot, bls lb. .40 • .45
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 • —
Toner, bbls., litho flushed, same basis lb. 1.05 • —
Celestial, bbls., same basis lb. .15 • .16
Chinese, bbls., same basis lb. .37 • .42
Blue, cobalt, genuine, bbls., same basis lb. 4.90 • —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 • 3.85
80%, bbls., same basis lb. 3.00 • 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 • —
Milori, bbls., same basis lb. .37 • .42
Peacock, fugitive, 100% color strength, same basis lb. .60 • .79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 • —
tungstic lb 4.00 • —
Potash, CP, bbls., same basis lb. .51 • —
Prussian, bbls., same basis lb. .37 • .42
soluble, bbls., same basis lb. .37 • .42
Soda, C.P., bronze, bbls., same basis lb. .39 • —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 • .26½
jobbing type, dry, bbls., same basis lb. .14 • —
regular types, dry or pulp, bbls., same basis lb. .19 • .29
Victoria toner, molybdic, bbls lb 3.75 • —
Tungstic, bbls lb. 3.75 • —
Violet toner, molybdic, bbls, same basis lb. 1.24 • —
Tungstic, kgs., same basis lb 2.60 • 2.70
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls. lb. .45 • .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. .66 • .12
Bone, raw, bulk, Chicago ton.75.00 • —
junk, bulk, same basis ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.62.50 • —
Chicago, works ton.62.50 • —
steamed, feeding grade, 1% ammon., 60% phos., E. works ton.58.00 • —
Chicago, works ton.58.00 • —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.62.50 • —
Chicago, works ton.62.50 • —
Phosphate, defluorinated (see D). precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls lb. .15 • .16
Borage flowers, bls lb. .40 • .45
Borax, tech, anhydrous, bgs., c.l., works ton.70.50 • —
ton lots, ex whse N. Y. or Chi ton.115.25 • —
less ton lots, same basis, ton.120.25 • —
bbls., c.l., works ton.90.50 • —
ton lots, ex whse, N. Y. or Chi ton.135.25 • —
less ton lots, same basis, ton.140.25 • —
bulk, c.l., works ton.64.00 • —
crystals, 99½%, bgs., c.l., works. ton.61.25 • —
ton lots, ex whse, N. Y. or Chi ton.106.50 • —
less ton lots, same basis, ton.111.00 • —
bbls., c.l., works ton.81.25 • —
ton lots, ex whse, N. Y. or Chi ton.126.00 • —
less ton lots, same basis, ton.131.00 • —
bulk, c.l., works ton.57.25 • —
granular, 99½%, bgs., c.l., works ton.35.25 • —
ton lots, ex whse, N. Y. or Chi ton.80.00 • —
less ton lots, same basis, ton.85.00 • —
bbls., c.l., works ton.55.25 • —
ton lots, ex whse N. Y. or Chi ton.100.00 • —
less ton lots, same basis, ton.105.00 • —
bulk, c.l. works ton.31.25 • —
powder, bgs., c.l., works ton.40.25 • —
ton lots, ex whse N. Y. or Chi ton.85.00 • —
less ton lots, same basis, ton.90.00 • —
bbls., c.l., works ton.60.25 • —
ton lots, ex whse, N. Y. or Chi ton.105.00 • —
less ton lots, same basis, ton.110.00 • —
bulk, c.l., works ton.36.25 • —
Borax packed in kgs. is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 • .21
l.c.l., same basis lb. .16 • .23
Borneol, cns. lb. 2.25 • 2.50
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine purified cs. c.l., frt. alld. E. of Rockies lb. .21 • —
1,000 lbs., same basis lb. .23 • —
single pkgs. same basis lb. .28 • —
dms., lead-lined, dlvd lb. .21 • —
Bromoform, pharmaceutical grade, bots. lb. 1.52 • 2.50
chys. lb. 1 42 • —
Bromstyrol, bots lb. 5.35 • 5.75
Bronze powder aluminum (see A).
Gold, litho., cns., dms., works. lb. .50 • .60
moulding, cns., dms., works. lb. .80 • 1.00
printing ink, cns., dms., works lb. .95 • 1.10
radiator, cans, dms., works. lb. .60 • .65
Broomtop, bls lb. .25 • .26
Brown, iron oxide, synth., bgs., l.c.l., works lb. .12¼- —
Oxide, metallic, bgs., works lb. .3015- .3040
Sap, crystals, works lb. .12 • —
powdered lb. .13 • —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works lb. .04½- .15½
raw, paper bgs., c.l., works lb. .04½- .13
l.c.l., works lb. .04¾- .13¼
Umber, burnt, American, c.l., bbls., works lb. .05¼- .06½
l.c.l., bgs., works lb. .05½- .07½
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y lb. .06¼- .08¼
l.c.l., works lb. .06½- .08½
raw, American, bgs., same basis. lb. .04¼- .06¼
Turkey type, bgs., same basis. lb. .06½- .06¾
Vandyke, bbls., works lb. .11 • —
Brucine, cns., 100 ozs oz. .35 • —
Sulphate, NF, cns., 100 ozs oz. .30 • —
Bryonia root, bls lb. .29 • .35
Buchu leaves, bls lb. .45 • .50
Buckthorn bark, bls lb. .12 • .14
cut and sifted, bls lb. .18 • .20
Berries, bgs lb. .80 • .90
Burdock, root, bls lb. .20 • .26
Butadiene, cyls. refinery lb. .19 • —
tanks, same basis lb. .10½- —
Butane, indust., tanks, group 3 gal. .03 • —
Butternut bark, bls lb. .22 • .25
Butyl acetate, fermentation, normal, dms., c.l., same basis lb. .13¾- .14¾
l.c.l., same basis lb. .14¾- .15¾
tanks, same basis lb. .12 • .13
synthetic, normal, dms., c.l., same basis lb. .14¾- —
l.c.l., same basis lb. .15¾- —
tanks, same basis lb. .13 • —
secondary, dms., c.l., same basis lb. .11¼- —
l.c.l., same basis lb. .12 • —
tanks, same basis lb. .09½- —
Alcohol (see Alcohol butyl)
Aldehyde, dms., c.l., works lb. .17½- —
l.c.l., works lb. .18 • —
tanks, works lb. .16 • —
Chloride, dms., c.l., works lb. .41½ —
l.c.l., works lb. .42 • —
Ether (see Ether, butyl).
Lactate, dms., c.l. frt. alld. E. of Rockies lb. .42½- —
l.c.l., same basis lb. .43½- —
tanks, same basis lb. .41 • —
Laurate, dms., works lb. .42 • —
Methacrylate, normal, dms., less than truckload, works lb. .60 • —
Oleate, refd., dms. l.c.l., works lb. .52 • —
Phenylacetate, dms lb. 2.00 • 2.25
Phthalate (see Dibutyl phthalate).
Stearate, dms., c.l. frt. alld. E. of Rockies lb. .27 • —
l.c.l., same basis lb. .26½- —
Butylamine, dms., c.l., frt. alld. lb. .51½- —
l.c.l., same basis lb. .52½- —
tanks, same basis lb. .49¾- —
Butyric ether (see Ethyl butyrate).

WHICH PACKAGE SUITS YOUR PRODUCT?



No fumbling, no fuss!
Canco's famous "magic corner" opening feature is available not only with this pocket-size tablet box, but in larger size packages—a convenience your customers will welcome!

LOOK . . . one hand!

You know it best as a pocket, purse or bed-table container for tablets—the tiny tin that flips open and snaps shut at the press of thumb and finger!

What you may not know is that this same "magic corner" closure, so popular with millions of Americans, is available in an exciting variety of larger size metal boxes, each offering your product a new consumer appeal!

The "flat-fifty" cigarette box, for instance. Consider it as a possibility for crayons; for tissues; water color paints; lolly-pops—even panatela cigars. Flat as your wallet, it fits snugly into purse, pocket, brief case or the glove compartment of your car.

Many sizes . . . a legion of uses

Other Canco metal boxes with the "magic corner" closure are deeper, wider, longer, smaller. In fact, almost any rectangular shape or size can be custom-made if we do not have the exact size you require.

Each box opens to display entire contents; closes tight to prevent spilling. Each can be lithographed for big display of your brand name and message. All can be filled automatically and fast.

Pioneer package problem-solver

In the creation of new and more effective packages, Canco has been out front since 1901. Better *Call Canco First!*

AMERICAN CAN CO.
CANCO
NEW YORK CHICAGO SAN FRANCISCO HAMILTON CANADA

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars ..... lb. 5.00 - 5.22
Metal, ingots or sticks, cs., dlvd lb. 2.15 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N.Y., frt. equald. lb. 1.25 - —
Caffeine, natural, USP, cryst., dms., 100 lbs. or more .... lb. 4.75 - —
anhydrous, dms., 100 lbs. or more lb. 5.00 - —
Synthetic, USP, cryst., dms., 100 lbs. or more lb. 3.80 - —
anhydrous, dms. 100 lbs. or more lb. 4.00 - —
Citrated, USP, dms., 100 lbs. or more lb. 2.60 - —
Hydrobromide, bots. ..... lb. 6.70 Nom.
Calabar beans, bgs., futures .... lb. .65 .66
Calamine, USP, dms. ..... lb. .27 - .29
Calamus root, dom., bgs. ..... lb. .27 - .30
imported, bleached, bls. ..... lb. .70 Nom.
peeled, bls ..... lb. .30 - .31
Calciferol, cryst., vials, 250 grams or more, works gram. 1.90 - —
25 to 249 grams, works gram. 2.10 - —
1 to 24 grams, works .... gram. 2.30 - —
in edible oil, dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 standard units, works unit. .05¼- —
less than 1,000 standard units, works unit. .05¾- —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld. on 96 lbs. or over lb. .11 - —
l.c.l., same basis ..... lb. .12 - .13
Bromide, NF, jars ..... lb. .75 - .85
Carbide, standard generator size, dms., c.l., dlvd ton.121.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald. ton.23.50 - —
l.c.l., same basis ..... ton.52.00 -82.00
liquor, works, basis 40%, tank-cars .. ton. 9.75 - —
pellets, bgs., c.l., works .. ton.31.00 - —
solid, 73-75%, dms., c.l., works, same basis ton.22.00 - —
l.c.l., works, same basis ton.32.00 -69.00
USP, gran., bbls ..... lb. .30 - —
Chromate, bgs., frt. equald .... lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies. lb. .30 - .50
Gluconate, AA, bbls., dms .... lb. .65 - .72
USP, bbls., dms ..... lb. .58 - .65
Glycerophosphate, NF, fib., dms. lb. 1.80 - 1.95
Hydride, dms., works ..... lb. .90 - —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm.24.00 -28.50
cns., cased (45 lbs.) same basis. cs.19.75 -21.50
Hypophosphite, ton lots and less, dms lb. .80 - .83
Iodide, jars ..... lb. 4.10 - 4.12
Lactate, USP, dms., 10,000 lbs. or more, works lb. .37 - —
smaller quantities, works lb. .38 - .44
Mandelate, USP, dms., works .. lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald .. lb. .23¾- —
Nitrate, tech., works ..... lb. .07 - .09
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted .. gram. .07½- —
Phenolsulphonate, dms ..... lb. .64 - .65
Phosphate, dibasic, USP, bgs., c.l. 100 lbs. 6.75 - —
l.c.l. ... 100 lbs. 7.10 - 7.45
feed grade, bgs., 15 tons, wks. ton.105.00 - —
one ton or over, works ton.115.00 - —
less than one ton, works ton.125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald. lb. .05¾- —
smaller lots, same basis lb. .06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
l.c.l., works ... . 100 lbs. 6.95 - 7.30
Phytate, bgs., works ..... lb. .26 - —
Resinate, precip., dms., frt. alld., works lb. .24 - —
Silicate, hydrated, bgs., c.l., works lb. .05½- —
l.c.l., works ..... lb. .06 - —
Stearate, precip., ctns., c.l., works. lb. .32 - —
l.c.l., works ..... lb. .33 - .34
Sulphate (see Gypsum).
Sulphide luminous, tins, works lb. 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 - 1.50
fine particle size, dms., works lb. 1.50 - 1.75
Calendula flowers, bls ..... lb. .45 - .60
Calomel, USP, fine powd., dms. lb. 1.97 - 1.98
reg. powd., dms ..... lb. 1.82 - —
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 2.75 - 2.85
natural, powd., 100-lb. lots .... lb. .45 - .55
tablets, 1-oz., ½-oz., cs .... lb. .85 - .93
Camphor, synthetic, tech., bbls., 2,000 or more, whse. lb. .38 - —
10 bbls. (1,500 lbs.) ..... lb. .40 - —
smaller lots ..... lb. .41 - .51
USP, gran., powd., bbls., 2,000-lb. lots. lb. .45 - —
1,000-lb. lots ..... lb. .46 - —
smaller lots ..... lb. .47 - —
tablets, tins, 2,000-lb. lots. lb. .73 - —
1,000-lb. lots ..... lb. .74 - —
smaller lots ..... lb. .75 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls ..... lb. .25 - .30
Cantharides, Chinese, cs ..... lb. .75 - .85
powd., bxs. ..... lb. .90 - 1.05
Russian, bgs. ..... lb. 3.85 - 3.90
powd., bxs. ..... lb. 4.00 - 4.10
Capsicum (see Pepper, red).
Oleoresin, NF, from domestic pepper .. lb. 4.00 - 6.50
from African pepper ..... lb. 5.75 - 6.75
Caramel coloring, NF, bbls ..... gal. 1.05 - 1.20
Caraway, Dutch ..... lb. .16½- .17
Carbazole, 97% steel dms., ton lots, works lb. 1.55 - —
bbls., same basis ..... lb. 1.65 - 1.85
Carbinol, butyl, secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld. E. lb. .13¼- .14¼
l.c.l., same basis ..... lb. .14 - .15
tanks, same basis ..... lb. .11½- .12¼
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06¼- —
l.c.l., same basis .. lb. .07¼- —
5-gal. dms., c.l., same basis .. lb. .08½- .08¾
l.c.l., same basis ..... lb. .09½- —
tankcars, same basis ..... lb. .0440- —
Carbon dioxide, cyls ..... lb. .06 - .08
Tetrachloride, c.p., dms., works. lb. .10¾- —
NF, cbys ..... lb. .17 - .19
tech., dms., c.l., E. of Rockies, frt. alld .. lb. .08 - —
W. of Rockies, f.o.b. stock points .. lb. .09 - —
l.c.l., E. of Rockies, frt. alld. lb. .091 - —
W. of Rockies, frt. alld. lb. .09¾- —
tanks, E. of Rockies, frt. alld. lb. .07¼- —
W. of Rockies, frt. alld lb. .08¼- —
Carboxymethylcellulose-Sodium—See CMC
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works ..... lb. 4.10 - 4.75
Cardamom fruit, bleached, bold, cs. lb. 3.50 - 3.55
medium, cs ..... lb. 3.30 - 3.35
decorticated, Ceylon, cs ..... lb. 3.40 Nom.
Mangalore, cs ..... lb. 3.35 - 3.40
Indian, cs ..... lb. 3.20 - 3.25
Guatemala, cs ..... lb. 3.45 - 3.50
green, Alleppey, bgs ..... lb. 2.40 - 2.45
Ceylon, bgs ..... lb. 2.40 - 2.45
seed (See Cardamom fruit, decorticated)
Carmine, No. 40, NF bulk, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd ..... lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
gram quantities .... gm. 5.00 - —
technical, 1,350,000 A units per gram gm. .67¼- —
tins, works ..... gm. .40 - —
dry powder, 3,330 A units per gram lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. cn cn. 1.00 - —
Carotene, tech., in vegetable oil, 166,666 A units, per gram. lb.25.24 - —
50,000 A units per gram lb. 7.86 - —
8,800 A units, per gram, tins, works milli. units. .18 - —
dms., works milli. units. .16 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .24 - —
Carvol, bots. ..... lb. 8.75 - 9.00
Cascara sagrada bark, bulk ..... lb. .30 - .32
Case-hardening mixture, 50% gran., dms., l.c.l., works lb. .10½- —
Casein, dom., acid-precip., standard, bgs., 10,000 lbs. or more, ship't point .. lb. .27 - .28
premium, bgs., 10,000 lbs. or more, ship't point .. lb. .25½- .32
imp., acid-precip., ground, 100 bgs. or more, ex dock .. lb. .29½- .30
rennet-precip., bgs., 10,000 lbs. or more, ex dock .. lb. .30 - .31
Cashew nut, liq., treated, dms., c.l., f.o.b. Newark, N. J. .. lb. .21 - —
ton lots same basis .... lb. .22¼- —
dm. lo's, same basis .... lb. .24¼- —
Cassia, Batavia, long stick, bls .... lb. .26 - .27
broken ..... lb. .16 - .17
shortstick, bls ..... lb. .18 - .19
China, Canton, Kwangsi, rolls, select, cs .. lb. .16 - .17
broken, bls ..... lb. .12½ Nom.
Honan, Yunnan rolls, scraped, bls .. lb. .17¾- .18
broken, bls ..... lb. .17¼- .17½
unscraped, bls ..... lb. .17 - .17½
broken, bls ..... lb. .16½- .17
Cassia, Saigon, broken, bls ..... lb. .34 - .35
medium, bls ..... lb. .48 Nom.
thin, bls ..... lb. .48 Nom.
Cassia fistula, bskts ..... lb. .30 - .35
Castor beans, bgs., Brazilian ports .. long ton.115.00 - —
Oil (see Oil, castor).
Pomace, bgs., c.l., works .... ton.30.50 - —
Castoreum, natural, cns ..... lb. 7.00 -30.00
artificial, cns. ..... lb. 9.00 - 9.25
Catechol, CP, cryst, fib, dms., works lb. 2.00 - —
resublimed, dms., works ..... lb. 4.00 - —
Catnip, bls. ..... lb. .60 - .65
Celery seed, French, bgs ..... lb. .40 - .41
afloat, bgs ..... lb. .38 - .38½
Indian, bgs ..... lb. .27 - .27½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more .. lb. .36 - .38
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .40 - —
l.c.l., same basis .... lb. .45 - .51
regular, black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis .... lb. .49 - .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l., same basis ..... lb. .44 - .49

SO_2OCH_3

Methyl-para-Toluenesulfonate

...an intermediate
...a catalyst

Among the varied uses for Monsanto Methyl para-Toluenesulfonate are such applications as: Dye intermediate . . . alkylating agent . . . catalyst for alkyd and other organic ester preparations...photographic chemicals...pharmaceutical intermediates.

PROPERTIES:

Crystallizing Point ..... Approx. 25° C.
Color ..... Approx. 100 APHA
Chlorine ..... 0.01% Max.
Acidity as TSA ..... 0.01% Max.
Saponification Value ..... 186.0 — 187.5
Sp. Gr. at 25/25° C. ..... 1.225 — 1.227 (super-cooled liquid)
Molecular Weight 186.22

CH_3

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ortho-Chloroaniline
para-Chloroaniline
ortho-Chlorophenol
para-Chlorophenol
Cyclohexylamine
Dicyclohexylamine
Dinitroaniline
Dinitrochlorobenzene, 46.5°
Dinitrochlorobenzene, 48.0°
Monsanto Salt—Sodium ortho-Chloro-para-toluenesulfonate
ortho-Nitroaniline
ortho-Nitrobiphenyl
para-Nitrobiphenyl
ortho-Nitrochlorobenzene
para-Nitrochlorobenzene
para-Nitrophenol
ortho-Phenetidine
para-Phenetidine
Phenol, U.S.P.
Phenolsulfonic Acid, 65% & 70%
Phosphorus Oxychloride—Phosphorus Trichloride
Salicylic Acid, Technical
Sodium Benzoate, Technical
Thiourea
para-Toluenesulfonamide
para-Toluenesulfonchloride
Toluenesulfonic Acid

For further information on Methyl para-Toluenesulfonate, mail the coupon or contact the nearest Monsanto Sales Office. MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1754-G South Second Street, St. Louis 4, Missouri.

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SERVING INDUSTRY...WHICH SERVES MANKIND

Cellulose Acetate-Butyrate—Coriander Seed

Cellulose acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works lb. .53 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .48 - —
less than 500 lbs., works, lb. .49 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .50 - —
less than 500 lbs., works lb. .51 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .50 - .53
less than 500 lbs., works lb. .51 - .54
46% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .56 - .61
regular black, dms. l.c.l., same basis lb. .44 - .48
variegations, dms., c.l., same basis lb. .61 - .66
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .60 - —
Cerium nydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works lb 2.25 - —
bgs., 100-lb. lots, works lb. 1.85 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .02¾- .05½
l.c.l., ex whse lb. .04 - —
paint, bgs., c.l., works ton.40.00 - —
papermakers, bgs. c.l., works. ton.32.50 -40.00
rubber makers, bgs., c.l., works ton.30.00 - —
Chamomile flowers, Hungarian, cs lb. .45 - .55
Roman, bls lb. .85 - .90
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32½
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb. .23 - —
Hardwood, briquets, bgs., c.l., works ton.51.80 - —
bulk, c.l., works ton.49.80 - —
granular, bgs., incl., c.l., works. ton.46.80 -49.00
lump, bgs., extra, returnable, c.l., works ton.41.80 -45.50
bulk, c.l., works ton.38.80 -43.50
Pinewood, gran., powd., bgs., c.l., works, South ton.30.00 -40.00
l.c.l., works ton.40.00 -50.00
lump bgs., c.l., works, South ton.40.00 - —
l.c.l., works, South ton.40.00 -50.00
bulk, c.l., works, South ton.30.00 - —
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0415- —
l.c.l., works lb. .0440- .0450
tanks, works lb. .0345- —
powd., 60% tannin, bgs., extra, c.l., works lb. .09 - —
l.c.l., works lb. .0970- .1055
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works ton.12.50 -13.00
l.c.l., works ton.13.50- 14.00
bulk, c.l., works ton. 9.50 -10.00
200 mesh, bgs., c.l., works ton.10.00 -12.00
l.c.l., works ton.11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh bulk, c.l., works ton.13.00 - —
paper bgs., c.l., works. ton.16.00 - —
China clay, imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton.19.00 -40.00
powd., bgs., c.l., ex dock, net ton.35.00 -45.00
l.c.l., ex whse net ton.45.00 -60.00
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
l.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, jars lb. 1.05 - 1.10
Chloramine T, NF bbls., works lb. 75 - 1.00
Chloroanisidin, dms., frt. equald lb. 1.25 - —
Chlordane, agricultural, dms., pails, c.l., works lb. .65 - —
l.c.l., works lb. .70 - .75
refined, dms., c.l., works lb. .75 - —
l.c.l., works lb. .80 - .85
Chlorinated paraffin, dms., frt. alld. lb. .12½- .13¼
Rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works lb .43 - —
Chlorine, liquid, cyls., c.l., NY lb. .08¾- —
l.c.l., NY, stock points lb. .10¼- —
tanks, single units, works, frt. equald 100 lbs. 2.55 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 3.05 - —
2 cars, same basis 100 lbs. 3.65 - —
1 car, same basis 100 lbs. 4.25 - —
Chloroform, tech., dms., c.l., divd, E lb. .20 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .16 - —
USP, dms. lb. .30 - .33
Chloro(4)-2-Toluidine, bbls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots lb. 3.75 - 4.25
Chloropicrin, com'l, bots lb. 1.40 - —
cyls., 180-lbs., frt. alld. lb. .91 - —
100-lbs., same basis lb. .93 - —
25-lbs., same basis lb. 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 8.50 - —
5-lb. pkg. lb. 9.00 - —
1-lb. pkg. lb. 9.50 - —
Choline bitartrate, fib. dms., frt. adjusted lb. 2.30 - 2.55
Chloride, fib. dms., same basis lb. 2.30 - 2.55
Dihydrogen citrate, fib. dms., same basis lb. 2.30 - 2.55
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7½%, bbls., works lb. .03 - —
cbys. lb. .09¾- —
8½%, bbls., works lb. .08¾- —
cbys. lb. .10¼- —
Fluoride, bbls., works lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, solid, bbls. lb. .49 - —
Trioxide, USP, bots. lb. .82 - —
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots. lb. 7.65 - 9.20
Cinchona bark, NF, red, quill, 20-inch, cs. lb. 1.26 Nom.
broken, bgs. lb. .40 - .45
yellow, broken, bgs. lb. .32 - .35
Cinchonidine, cryst., cns., 100 ozs. oz. .71 - .72
Sulphate, cns., 100 ozs. oz. .37 - .40¼
Cinchonine, cryst., cns., 100 ozs. oz. .57 - .63
Sulphate, NF, cns., 100 ozs oz. .30½- .42
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
Standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, cbys., cns., dms lb. .90 - 1.20
Cinnamon, Ceylon, No. 2, bls. lb. .38 - .39
Citral, bots, cns. lb. 4.80 - 5.55
Citronellal, bots., dms. lb. 2.50 - 4.75
Citronellol, bots., dms. lb. 2.85 - 3.15
Civet, bots. oz. 4.00 -13.00
artificial, bots. lb.13.75 -15.00
Clove, Madagascar, bls. lb. .26½- .27
futures, bls. lb. No offers
Zanzibar, bls. lb. .27 - .27½
afloat lb. .27 - .27½
Clover tops, red, dom., bgs. lb. .65 - .70
imported, bgs. lb. No stocks
CMC, purified, high vis., ctns., 20,000 lbs. or over, works, frt. alld. lb. .57 - —
smaller lots, same basis lb. .59 - .69
low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld. lb. .54 - —
smaller lots, same basis lb. .56 - .66
tech., low and medium vis., dms., c.l., works, frt. alld lb. .41 - —
l.c.l., works lb. .43 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., ex-whse, gal. .23½- —
l.c.l., ex-whse gal. .25 - —
tanks, ex-whse gal. .13½- —
refd., resale, bbls., c.l., ex-whse, gal. .24½- —
l.c.l., ex-whse gal. .26 - —
tanks, ex-whse gal. .14½- —
Cobalt acetate, bbls., dlvd lb. .93½- —
Carbonate, 46% powd., bgs., works lb. 1.65 - —
Chloride, 24.5% Co, kgs., works. lb. .91¼- —
Hydrate, 60.3% Co, bbls lb. 2.13 - —
Linoleate, paste, 6% Co, dms. lb. .57 - —
solid, 8½%, Co, dms lb. .86½- —
8% Co, dms lb. .62½- —
Metal, 97-99%, kgs., ex-whse. lb. 1.80 - —
under 100 lbs., ex-whse lb. 1.82 - 1.87
Naphthenate, liq., 6% Co, dms lb. .37¼- —
Nitrate, 20.4% Co, bbls lb. .78¾- —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34% Co, kgs. lb. 1.31¼- —
Resinate, fused, 3% Co, dms lb. .22¾- —
Sulphate, bgs, 21% Co, kgs lb. 1.05 - —
Cocaine, USP, cns., 100-oz. oz.15.00 - —
Hydrochloride, cns., 100-oz. lots oz.11.75 - —
Cochineal, gray, bgs. lb. .67 - .68
silver, Teneriffe, bgs. lb. .69 - .70
Cocillana bark, bgs. lb. .16 - .17
Cocoa butter, bgs. lb. .31½ Nom.
Codeine, NF, cns., 100 ozs. oz.13.25 - —
Hydrochloride, cns., 100 ozs. oz.11.85 - —
Phosphate, USP, cns., 100 ozs. oz.10.25 - —
Sulphate, USP, cns., 100 ozs. oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls. lb. .20 - .25
Blue, root, bls. lb. .15 - .17
Colchicine, USP, bots., cns. oz.79.00 -85.00
Colchicum root, bls. lb. .60 - .70
Seed, bgs. lb. 1.10 - 1.20
Collodion, USP, dms. lb. .24 - —
Flexible, USP, dms. lb. .22½- —
Colocynth, pulp, bls. lb. .25 - .27
Colombo root, bls. lb. .13 - .15
Coltsfoot leaves, bgs. lb. .30 - .35
Condurango bark, bgs. lb. .20 - .22
Copaiba balsam, cns., dms. lb. .64 - .82
Copper acetate, cupric, bbls., works. lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 55%, bgs., works lb.19.20 -20.20
Chloride, anhyd., bbls., works lb. .30½- —
crystals, bbls., works lb. .20¼- —
Citrate, USP, 5-lb. bots. lb. 2.40 - —
Cyanide, tech., bbls. lb. .494 - .514
Gluconate, cns., dms lb. 3.00 - 3.24
Hydrate, dms., frt. alld. E. Miss. lb. .27½- .28
Metal, electrolytic, dlvd. lb. .22½- —
Naphthenate, liquid, 8% Cu, dms., frt. alld. lb. .22¾- —
Nitrate, tech., cryst., bbls., works, lb. .25¼- —
Oleate, liquid, 8.5% Cu, bbls. lb. .37 - —
solid, 10% Cu, bbls. lb. .39 - —
Oxide, black, bbls., works lb. .29 - .35
red, com'l, bbls., works lb. .30 - .35
Oxychloride-sulphate, bgs., frt. alld. lb. .24¼ Nom.
Quinolate, fib. dms lb. 3.50 - —
Resinate, precip., dms., frt. alld. lb. .24 - —
Stearate, bgs., works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works. 100 lbs. 8.10 - —
l.c.l. 100 lbs. 8.35 - 9.10
CP, cryst., gran., dms., works, lb. .1385- —
monohydrated, 35%, dms., c.l., works. 100 lbs.13.30 - —
tribasic, dealers, bgs., c.l., works, frt. alld. lb. .226 - —
l.c.l., works lb. .236 - —
USP, gran., cryst., dms. lb. .1385- .26
Undecylenate, dms. lb. 2.50 - 2.75
Copperas, cryst., gran., bgs., c.l., works ton.17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.60
bbls., c.l., works ton.20.60 - —
bulk, c.l., works ton.14.00 - —
Copra, c.i.f., Atlantic, Gulf ports. ton.215.00 - —
Pacific ports ton.210.00 - —
Coriander seed, Argentine, bgs. lb. .14 - .14½
Italian, bgs. lb. .07 Nom.
Moroccan, bgs lb. .20 - .20½

Designed to dispense penicillin ointment at the site of infection, this new WIRZ applicator tube does exactly that and thereby eliminates the need for solutions, injections, etc., in the treatment of bovine infection of the mammary gland.

The long, slender nozzle . . . smooth as satin . . . approximately .100" at the tip and an overall length of ⅞" . . . slips into the teat orifice, slides through the teat canal without injury to the delicate tissue. The novel plastic "slip—cap" . . . no threads . . . with its easy-grip knurled base, fits the nozzle of this tiny tube exactly . . . makes a perfect closure, prevents contamination. This easier application speeds up the treatment and control of the disease which annually accounts for milk production losses of over two hundred million dollars.

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PACKAGE FOR PROFIT

SEAL-CRIMP

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Down go container costs...
Up Go Sales!

Seal-crimping is the ultra-modern, convenient form of product packaging —each unit individually packed in tailor-made air and dirt-free, moisture-proof compartments. And Strong Cobb seal-crimping is the smart way to whittle down container costs— and wrap up more sales!

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SEAL-CRIMP IT!

Here's The Strong Cobb Seal Crimp Profit Picture

PRODUCTION SAVINGS

Throw out heavy protective containers—No bottles or jars to break— no tubes, corks or caps needed!

Bulk material transportation costs eliminated!

Spoilage in transportation reduced—yield increased!

Laboratory control from raw material to finished product!

ADVERTISING AND SALES-WISE

Seal-crimping in bright cellophane, silver or gold foil, plastic, etc., with your own stylized sales message printed directly on package builds a brisk, eye-catching product!

Individually-wrapped unit doses or required amounts are handier for consumer—create talk—boost sales!

Strong Cobb service is A to Z efficiency. You name it—We'll research it, manufacture it, seal-crimp it, and make direct or drop shipment *—all under one roof!*

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Corn Sugar—Di-isobutyl Ketone

Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 6.24 - —
bbls., c.l., same basis 100 lbs. 6.30 - —
Syrup, 42°, bbls., c.l. 100 lbs. 6.52 - —
l.c.l. 100 lbs. 6.67 - —
Cornsilk, bls lb. .15 - .19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls lb. .26 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton 1.75 —
Meal, 41% protein, bulk, Memphis ton 73.00 -74.00
Coumarin, NF, cns., 25-lb. lots lb. 2.75 - —
smaller lots lb 2.80 2.90
powd., cans lb 3.00 3.05
Cramp bark, NF, bls lb. .80 Nom.
Cranesbill root, bls lb. .25 - .30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .26¼ - —
smaller lots, bbls., kgs lb. .26¾ - .27¾
Imported, kgs lb. .21 - .23
Creosote, coaltar, crude, tanks, works, frt. equald gal. .14 18
refined dms., c.l., works gal. .36½ - .40
l.c.l., same basis gal. .37½ - .47
tanks, same basis gal. .23½ - —
solution, 80%, tanks, works gal. .168 —
NF, beechwood, bots., cbys lb. 1.15 - 1.20
hardwood, bots, cbys lb. .85 —
Pinewood, dms gal. .31 .35
Carbonate, NF, bots., cbys lb. 2.35 - 2.40
Cresols, tech., dry, above 207°C, non-ret. dms., c.l. frt. equald. lb. .128 - —
l.c.l., same basis lb. .131 - —
Cresols, tech., dry, above 207°C, ret. dms., c.l., same basis. lb. .125 - .14
l.c.l., same basis lb. .128 - .143
tanks, same basis lb. .13½ - .13
USP, non-ret. dms., c.l., same basis lb. .133 - —
l.c.l., same basis lb. .136 - —
ret. dms., c.l., same basis lb. .13 - —
l.c.l., same basis lb. .133 - —
tanks, same basis lb. .12 - —
Crotonaldehyde, 91-93%, dms., c.l works lb. .16½ - —
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs. 13.75 - —
bbls., l.c.l., works 100 lbs. 14.00 - —
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .26 - .30
Cubeb berries, XX NF ogs lb. .35 .45
powd., cs. lo. .44 - .54
Culvers root, bbls lb. .50 .60
Cumene, dms., c.l. lb .08 —
l.c.l. lb. .09 - —
tanks gal. .33 .56
Cumin seed, Iranian, bgs. lb. .16½ - .17
Morocco, bgs. lb. .16½ - .17
Syrian, bgs. lb. .16½ - .17
Cutch, extract, 55% tanmn, bgs., ex dock lb. .06¾ - —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, ton 46.50 - —
ton 46.50 - —
pulv., 21% N., bgs., same basis unit-ton 2.25 - —
Cyclohexane, tech., dms., c.l., works, lb. .11 - —
l.c.l., works lb. .11¾ - —
tanks, works lb. .09¼ - —
Cyclohexanol, tech., dms., c.l., works, lb. .21½ - .25
l.c.l., works lb. .22 - .26
tanks, works lb. .20 - .24
Cyclohexanone, tech., dms., c.l. lb. .26½ - .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., c.l., works, lb. .36½ - —
l.c.l., works lb. .37½ - —
tanks, works lb. .35½ - —
Cyclopropane, USP 2 lb. cyls, works, cyl. 40.00 - —
6 oz. cyls., works cyl. 10.50 - —
Hospitals, cyls., 40 gal. lots gal. .32 - —
100-gal. lots gal. .31 - —
200-gal. lots gal. .30 - —

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2, 4-D, bbls., c.l. works, frt. equald, lb. .43 - .48
l.c.l., same basis lb. .48 - .60
Isopropyl ester, dms., c.l., works lb. .54 - —
l.c.l., works lb. .59 - .66
Damiana leaves, bls lb. .40 - .45
Dandelion root, bls lb. .40 - .45
DDD, tech., fine grd., fib. dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½ - —
lump, fib. dms., c.l., works lb. .49 - —
l.c.l., works lb. .49½ - —
DDT, fiber dms., c.l., works, frt. equald lb. .34 - .36
smaller lots, same basis lb. .35 - .38
Decanol, normal, tech., dms., c.l., dlvd lb. .34½ - —
l.c.l., dlvd. lb. .36½ - —
tanks, dlvd. lb. .32 - —
Deertongue leaves, bls lb. .30 - .35
Defluorinated phosphate, 85% b.p.l., paper bgs., works ton 44.15 -55.75
Rock, 14½%P, paper bgs., works ton 45.00 - —
Degras, common, bbls lb. .11 - .12
Neutral, less 2% ffa, bbls lb. .21 - .22
over 2% ffa., bbls lb. .20 - .21
Derris root, 5% rotenone, powd lb .42 - —
Desoxyephedrine hydrochloride, dextro, dms lb. 30.00 - —
dextro-laevo, dms lb. 7.50 - —
Dextrin, corn, gum, paper bgs., c.l. 100 lbs. 7.65 - —
l.c.l. 100 lbs. 7.80 - —
Chicago, c.l. 100 lbs. 7.00 - —
canary, paper bgs., c.l. 100 lbs. 7.49 - —
l.c.l. 100 lbs. 7.64 - —
Chicago, c.l. 100 lbs. 6.84 - —
dark, paper bgs., c.l. 100 lbs. 7.59 - —
l.c.l. 100 lbs. 7.74 - —
Chicago, c.l. 100 lbs. 6.94 - —
white, paper bgs., c.l. 100 lbs. 7.34 - —
l.c.l. 100 lbs. 7.49 - —
Chicago, c.l. 100 lbs. 6.69 - —
Corn dextrin in cotton bgs. 12c. to 15c. per 100 lbs. higher.
Potato, bgs lb. .08½ - .09
Tapioca, pure, envelope, bgs lb. .15 - .16
Dextrose, USP dms lb. .17¾ - —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots rb 4.00 5.55
laboratory grade, bots 100 grams. 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyD.
Phthalate, dms., c.l., dlvd. E lb. .34¼ - —
l.c.l., dlvd. E lb. .35¼ - —
tanks, dlvd. E lb. .32½ - —
Dianisidin, dms lb. 1.75 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton 50.00 -52.00
California ton 38.00 -40.00
l.c.l., ex whse ton 50.00 —
purified, bgs., c.l., Atl. coast ton 62.00 - —
California ton 50.00 - —
l.c.l., ex whse ton 90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices,
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works, lb. .66½ - —
l.c.l., works lb. .67 - —
tanks, works lb. 65 - —
Dibutoxyethyl sebacate, dms., c.l., works lb. .55½ - —
l.c.l. works lb. .56 - —
tanks, works lb. .54 - —
Dibutyl phthalate, dms., c.l., dlvd lb. .29 - .29¾
l.c.l., dlvd lb. .29½ - .30¼
tanks, dlvd lb. .27½ - .28¼
Sebacate, dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½ - —
tanks, works lb. .49½ - —
Tartrate, dms., works, frt. alld lb. .62 - —
Dibutylamine, dms., c.l., frt. alld lb. .51½ - —
l.c.l., frt. alld lb. .52½ - —
tanks, frt. alld lb. .49¾ - —
Dicaprylphthalate, dms., c.l., dlvd. lb. .36½ - —
l.c.l., dlvd lb. .37½ - —
tanks, dlvd lb. .35 - —
Sebacate, dms., c.l., works lb. .54½ - —
l.c.l., works lb. .55 - —
tanks, works lb. .53 - —
Dichloroaniln, dms., works lb. 75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works, lb. .047 - —
l.c.l., works lb. .055 - —
tanks, works lb. .04 - —
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., frt. equald lb. .28 - —
Dicyclohexylamine, dms., c.l., works lb. .40¼ - —
l.c.l., works lb. .41 - —
tanks, works lb. .39 - —
Dicyclohexylphthalate, lib. dms., c.l., works lb. .40½ - —
l.c.l., same basis lb. .41½ - —
Diethanolamine dms., c.l., b lb. .25½ - —
l.c.l., same basis lb. .27½ - —
tanks, same basis lb. .25 - —
Diethyl carbonate, dms. c.l., frt. alld. lb. .36¾ - —
l.c.l., same basis lb. .37¾ - —
tanks, same basis lb. .35 - —
Malcate, dms., c.l., dlvd lb. .45 - —
l.c.l., dlvd lb. .49 - .52¼
tanks, dlvd lb. .43½ - —
Oxalate, dms., c.l., frt. alld lb. .34¾ - —
l.c.l., same basis lb. .35¾ - —
tanks, same basis lb. .33 - —
Phthalate, dms., c.l., dlvd lb. .23½ - .25⅛
l.c.l., dlvd lb. .24½ - .26⅛
tanks, dlvd lb. .22 - .24
Sulphate, dms., c.l., works lb. .16 - —
l.c.l., works lb. .16½ - —
tanks works lb. .14½ - —
Diethylamine, dms., c.l., frt. alld. E lb. .57 - —
l.c.l., same basis lb. .58 - —
tanks, same basis lb. .53¼ - —
Diethylanalin, dms lb. .48 - —
Diethyleneglycol, dms., c.l., frt alld. E lb. .17½ - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .16 - —
Boriborate, dms., l.c.l lb. .28 - —
Diethylether, dms., c.l., works lb. .46½ - —
l.c.l., works lb. .47 - —
Monobutylether, dms., c.l., works. lb. .24½ - —
l.c.l., works lb. .25 - —
tanks, works lb. .23 - —
Monobutylether acetate, dms., c.l., works lb. .26 - —
l.c.l., works lb. .26½ - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works lb. .18½ - —
tanks, works lb. .16½ - —
Monoethylether, acetate, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½ - —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l., works lb. .22½ - —
tanks, works lb. .20½ - —
Diethylenetriamine, dms., c.l., works. lb. .42 - —
l.c.l., works lb. .42½ - —
tanks, works lb. .40 - —
Diethylethanolamine, dms., c.l., works, frt. alld lb. .61½ - —
l.c.l., same basis lb. .62½ - —
tanks, same basis lb. .59¾ - —
Diethylstilbestrol, USP, bots kilo 240.00 -320.00
Digitalin, cryst., bots gram 12.50 -18.00
powd., bots oz. 25.00 -30.00
Digitalis leaves, dms lb. .85 - 1.25
Digitoxin, USP, bots gram. 7.50 - 8.00
Digycol, laurate, dms lb. .30 - .32
Oleate, dms lb. .25 - .27
Stearate, dms lb. .25 - .26
Dihexyl sebacate, dms., c.l., works, lb. .42½ - —
l.c.l., works lb. .43 - —
tanks, works lb. .41 - —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials gram. .60 - —
wholesalers, vials gram. .48 - —
Dihydroxydichlorodiphenylmethane, dms lb. .95 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., dlvd. lb. .14¼ - —
l.c.l., dlvd. lb. .15¼ - —
tanks, dlvd. lb. .12½ - —

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DDT Government Specifications
2, 4-D Acid, Salt and Isopropyl Ester
TRICRESYL PHOSPHATE
ERGOSTEROL
(Non Irradiated)
MONTROSE CHEMICAL COMPANY
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

Di-isobutylene, dms., c.l., works lb. .08¼ - —
l.c.l., works lb. .09 - —
tanks, works lb. .05½ - .06½
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .37½ - .39½
l.c.l., same basis lb. .38½ - .40½
tanks, same basis lb. .36 - .38
Di-isopropylamine, dms., c.l., frt. alld lb. .45¼ - —
l.c.l., same basis lb. .46¼ - —
tanks, same basis lb. .43½ - —
Diliseed, natural, bgs. lb. .10½ - .11
dewhiskered, bgs. lb. .13 - .13½
Dimethyl chloroacetal, dms., c.l., works lb. .53 - —
l.c.l., works lb. .55 - —
tanks, works lb. .51 - —
Phthalate, dms., c.l., dlvd. lb. .23½ - .24½
l.c.l., dlvd. lb. .24½ - .25½
tanks, dlvd. lb. .22 - .23
Sebacate, dms., c.l., works lb. .69½ - —
l.c.l., works lb. .70 - —
tanks, works lb. .68 - —
Sulphate, 55-gal. ret., dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret. dms., works lb. .46½ - —
Dimethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .37 - .38
l.c.l., works, basis 100% lb. .37½ - .38½
tanks, works, basis 100% lb. .36 - —
Dimethylanilin, dms., c.l. lb. .23 - .24
l.c.l. lb. .25 - —
tanks lb. .21 - .23
Dimethylethanolamine, dms., c.l., dlvd lb 1.43 - —
l.c.l., dlvd. lb 1.45 - —
tanks, dlvd. lb 1.40 - —
Dinitroanilin, dms., frt. equald lb. .54 - .57
Dinitrobenzene, crude, dms. lb. .17 - .18
purified, dms lb. .18½ - .19½
Dinitrochlorobenzene, 48° C m.p., dms., c.l. lb. .13½ - .17½
l.c.l. lb. .14 - .18¼
tanks lb. .13¼ - .16¼
Dinitrophenol, bbls. lb. .31 - —
Dinitrotoluene, oily, dms. lb. .09½ - —
refd., dms. lb. .19 - —
Dinonylnaphthalene, c.l., dms., works lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks, works lb. .12 - —
Dioctyl adipate, dms., c.l., works, frt. alld lb. .42 - —
l.c.l., same basis lb. .43 - —
tanks, same basis lb. .40½ - —
Phthalate, dms., c.l., frt. alld lb. .37½ - —
l.c.l., frt. alld lb. .38½ - —
tanks, frt. alld lb. .36 - —
Diorthotolylguanidin, dms., ton lots, dlvd lb. .42 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½ - —
tanks, same basis lb. .23½ - —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .34 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .35 - —
l.c.l., same basis gal. .36 - —
N. Y. whse. gal. .46 - —
tanks, works, South gal. .20 - —
steam-dist., dms., c.l., works, south gal. .35 - —
l.c.l., works, South gal. .46 - —
dlvd. N. Y. gal. .52 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns., dms. lb. .43 - .62
Phthalate, dms., c.l., works lb. .45 - —
l.c.l., same basis lb. .47 - —
Diphenylamine, bbls. lb. .27 - —
Diphenylguanidin, dms., ton lots lb. .39 - —
smaller lots lb. .40 - —
Diphenylhydantoin-sodium, USP, dms. lb. 3.25 - 3.50
Dipropyleneglycol, dms., c.l., frt. alld lb. .14½ - —
l.c.l., same basis lb. .15½ - —
tanks, same basis lb. .13 - —
Dipropyleneglycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .16½ - —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .91 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton 68.00 - —
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .55 - —
l.c.l., works lb. .60 - .65
Dodecyltoluene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut, bls. lb. .20 - .24
imp., NF, cut, bls. lb. .25 - .30
Dogwood bark, Jamaica lb. .10 - .14
Dragon's blood, drops, cs. lb. .45 - .47
mass, cs. lb. .90 - 1.00
reeds, cs lb. 1.75 - 2.00

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—
Blue, FD&C, No. 1, cns. lb. 17.00 - 17.60
No. 2, cns. lb. 17.00 - 17.60
Green, FD&C, No. 1, cns. lb. 17.00 - 17.60
No. 2, cns. lb. 22.20 - 22.85
No. 3, cns. lb. 35.25 - 35.90
Orange, FD&C, No. 1, cns. lb. 3.65 - 3.75
No. 2, cns. lb 4.55 - 4.75
Red, FD&C, No. 1, cns. lb. 7.55 - 7.65
No. 2, cns. lb. 4.00 - 4.10
No. 3, cns. lb. 22.20 - 22.85
No. 4, cns. lb. 7.20 - 7.50
No. 32, cns. lb 5.30 - 5.40
Violet, FD&C, No. 1, cns. lb. 16.10 - —
Yellow, FD&C, No. 1, cns. lb. 10.50 - 11.05
No. 3, cns. lb 3.30 - 3.40
No. 4, cns. lb. 3.30 - 3.40
No. 5, cns. lb. 4.00 - 4.10
No. 6, cns. lb. 4.00 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Black, D&C, No. 1, cns. lb. 10.95 - —
Blue, D&C, No. 4, cns. lb. 13.55 - —
Brown, D&C, No. 1, cns. lb. 16.10 - —
Green, D&C, No. 5, cns. lb. 16.10 - —
No. 6, cns. lb. 16.10 - —
No. 7, cns. lb. 14.80 - —
Orange, D&C, No. 3, cns. lb. 10.95 - —
No. 4, cns. lb. 20.05 - —
No. 5, cns. lb. 5.70 - —
No. 10, cns. lb. 20.70 - —
Red, D&C, No. 8, cns. lb 3.75 - —
No. 9, cns. lb 3.75 - —
No. 10, cns. lb 3.00 - —
No. 11, cns. lb 2.25 - —
No. 12, cns. lb. 3.00 - —
No. 17, cns. lb. 10.95 - —
No. 18, cns. lb. 24.00 - —
No. 19, cns. lb. 20.05 - —
No. 21, cns. lb 4.70 - —
No. 22, cns. lb. 10.95 - —
No. 28, cns. lb. 24.65 - —
No. 33, cns. lb. 17.45 - —
Violet, D&C, No. 2, cns. lb. 16.10 - —

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Yellow, D&C, No. 7, cns. lb. 10.93 - —
No. 8, cns. lb. 10.95 - —
No. 10, cns. lb. 13.50 - —
No. 11, cns. lb. 13.50 - —
No. 22, cns. lb. 9.15 - —
No. 33, cns. lb. 14.65 - —
No. 37, cns. lb. 13.55 - —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Blue, Ext. D&C, No. 1, cns. lb. 16.10 - —
Green, Ext. D&C, No. 1, cns. lb. 16.10 - —
Red, Ext. D&C, No. 1, cns. lb. 13.50 - —
Yellow, Ext. D&C, No. 1, cns. lb. 10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
20 Chrysodine G. lb. .59 - —
27 Orange G. lb. .71 - —
31 Amido naphthol red G. lb. .59 - —
36 Alizarine yellow 2G lb. .76 - —
40 Alizarine yellow R lb. .97 - —
57 Amido naphthol red 6B lb. .90 - —
79 Ponceau R lb. .68 - —
151 Orange II lb. .44 - —
165 Red lake C lb. 1.05 - —
179 Azo rubine lb. .95 - —
176 Red lake A lb. .80 - —
180 Diamond blue 3B lb. .84 - —
185 Cochineal red A lb. .85 - —
202 Chrome blue black R lb. .62 - —
203 Chrome black T lb. .72 - —
208 Sulphon acid blue R lb .83 - —
216 Acid alizarin red B lb. .77 - —
234 Resorcin brown lb .82 - —
246 Naphthol blue black lb. .78 - —
278 Benzo fast red SBL lb 2.74 - —
289 Sulphon cyanine 5R extra lb 1.00 - —
299 Diamond black F lb. 1.84 - —
304 Nerol 2B lb. 1.84 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)—
326 Benzo fast orange S lb. 1.45 - —
332 Bismarck brown R lb. .78 - —
355 Chrysophenine lb. 2.14 - —
382 Diamine black BH lb. 1.51 - —
401 Diamine black BH lb. .58 - —
406 Benzo blue 2B conc. lb. .96 - —
419 Diamine fast red F lb. 1.05 - —
420 Diamine brown M lb .82 - —
448 Benzo purpurine 4B lb 1.08 - —
518 Diamine sky blue FF lb 1.48 - —
561 Trisulphon brown B lb. 1.78 - —
581 Direct deep black EW extra, lb .81 - —
593 Diamine green B lb. .60 - —
598 Congo brown G lb 1.20 - —
620 Sun yellow lb .84 - —
639 Xylene light yellow lb 1.77 - —
640 Tartrazine lb 1.34 - —
655 Auramine lb 1.69 - —
657 Malachite green lb 1.93 - —
662 Brilliant green lb 2.55 - —
667 Brilliant milling green B lb. 3.27 - —
671 Glaucine lb 1.54 - —
680 Methyl violet B lb .95 - —
681 Crystal violet lb 1.91 - —
698 Formyl violet S4B lb 1.51 - —
720 Chrome azurol B lb 3.60 - —
729 Victoria blue B lb 2.48 - 2.66
737 Wool green S lb 2.14 - —
749 Rhodamine B lb 3.85 - —
814 Chloramine yellow lb 2.76 - —
841 Safranine lb 2.58 - —
865 Nigrosine WSJ 78 lb. .60 - —
922 Methylene blue GXX lb 1.28 - —
969 Hydron blue R lb. .72 - —
978 Sulphur black T extra lb. .28½ - —
1027 Alizarin VI lb .64 - —
1034 Alizarin red S lb 2.30 - —
1054 Alizarin saphiro B lb 2.59 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):
1078 Alizarin cyanine green lb 2.61 - —
1085 Alizarin blue black B lb 2.13 - —
1090 Indanthrene golden orange G, single paste lb 1.98 - —
double paste lb 3.92 - —
1099 Indanthrene dark blue BO, single paste lb 1.72 - —
1101 Caledon jade green lb 2.32 - —
1106 Indanthrene blue RS, double paste lb. 2.52 - —
1113 Indanthrene blue GCD, double paste lb. 1.73 - —
1150 Indanthrene olive R, single paste lb. 1.08 - —
1151 Indanthrene brown R, single paste lb. 1.65 - —
double paste lb. 3.29 - —
1212 Indanthrene red violet RH, single paste lb. 1.54 - —
1217 Helindon orange R, single paste lb 1.97 - —
p-8 Acid anthracine brown P G lb 2.48 - —
p-14 Anthracene chromate brown 2B lb. 1.25 - —
p-24 Benzo fast black L lb 1.94 - —
p-80 Diazo brilliant scarlet ROA lb. 2.53 - —
p-202 Zambesi black V lb .97 - —
p-244 Celliton scarlet B lb 1.25 - —
p-313 Naphthol AS-SW lb 2.74 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.
Black, blue, No 550 lb. .72 - —
Jet, No 551 lb .79 - —
Brown R conc lb 1.44 - —
Orange R, brilliant lb .80 - —
Red 4 B conc lb 1.22 - —
Yellow C lb 1.05 - —
FN, conc lb 1.08 - —

From SHELL CHEMICAL

INTERMEDIATES

The difference between the raw material you have and the end-product you want may be a SHELL INTERMEDIATE

TRY

EPI Epichlorohydrin — $CH_2(O)CH\text{-}CH_2Cl$

GDCH Glycerol Dichlorohydrin — $CH_2(OH)\text{-}CH(Cl)\text{-}CH_2Cl$ (70%); $CH_2(Cl)\text{-}CH(OH)\text{-}CH_2Cl$ (30%)

MAC Methallyl Chloride — $CH_2{=}C(CH_3)\text{-}CH_2Cl$

AA Allyl Alcohol — $CH_2{=}CH\text{-}CH_2OH$

AC Allyl Chloride — $CH_2{=}CH\text{-}CH_2Cl$

TCP Trichloropropane — $CH_2(Cl)\text{-}CH(Cl)\text{-}CH_2(Cl)$

High-Quality Synthetic Intermediates For High-Yield Organic Syntheses

Technical information and samples are available upon receipt of your letterhead request.

SHELL CHEMICAL CORPORATION

CHEMICAL PARTNER OF INDUSTRY AND AGRICULTURE

Eastern Division: 500 Fifth Avenue, New York 18 • Western Division: 100 Bush Street, San Francisco 6

Los Angeles • Houston • St. Louis • Chicago • Cleveland • Boston • Detroit • Newark

Dyes, Coaltar, for Stains, Spirit-Soluble—Furfural

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.
Auramine, O ..... lb. 1.69 - —
Black, basic, blue ..... lb. 1.08 - —
Jet ..... lb. 1.08 - —
Blue, methylene, 2 R. conc lb. 1.42 - —
Brown, Bismarck, R, conc lb. .78 - —
Chrysodine, R, extra ..... lb .55 - —
Y, extra ..... lb. .59 - —
Fuchsine, conc ..... lb 2.82 - —
Green, malachite, conc .... lb. 1.93 - —
Rhodamine, B ..... lb. 3.97 - —
Safranine, Y, conc ..... lb. 2.66 - —
Violet, methyl, B ..... lb. 1.01 - —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.
Black, acid blue, B extra lb. .76 - —
Orange, acid, Y, conc ..... lb. .42 - —
Rhodamine, azo- R, extra, conc.
Rhodamine, R, extra, conc lb. 3.97 - —
Scarlet, croceine, MOO ..... lb. 1.33 - —
Yellow, azo-, conc ..... lb. .82 - —
Fast light, 3 G, extra .... lb. 1.80 - —
Methanil, conc ..... lb. .83 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls ..... lb. .45 - .55
Egg albumen (see Albumen).
Yolk, dried, dom., bbls ..... lb. 1.13 - 1.15
Chinese, spot, bbls, duty paid lb. .82 - .85
tanners, bbls ..... lb. .06½- .07
Elder flowers, bright, bls ..... lb. .40 - .50
Elecampane root, bls ..... lb. .22 - .25
Elm bark, grinding, bls ..... lb. .30 - .35
powd., bbls., bxs ..... lb. .40 - .45
select, bndls ..... lb. .55 - .60
Emetine hydrochloride, USP, bots. oz. 37.50 -40.00
Ephedra herb, bls ..... lb. .30 - .32
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs oz. .98 - —
hydrous, bots., 100 ozs .... oz. .92 - —
Hydrochloride, tin, 100 ozs oz. .75 - —
Sulphate, cryst., tins, 100 ozs. oz. .72 - —
powd., tins, 100 ozs oz. .73 - —
Epichlorohydrin, dms., c.l., works. lb. .36¾- —
l.c.l., works ..... lb. .37½- —
tanks, works ..... lb. .35 - —
Epinephrine, synth., USP, bots., 100 grams gram. .45 - —
Epsom salt, tech., bgs., c.l., works. 100 lbs. 2.15 - —
l.c.l., works ..... 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works .. 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Ergot, NF, dms., tin-lined ..... lb. 3.75 - 4.50
Eserine, bots. ..... oz. 45.00 -50.00
Salicylate, USP, bots ..... oz. 33.00 -34.00
Sulphate, bots ..... oz. 36.00 -37.00
Ether, acetate (see Ethyl acetate).
Butyl, dms., c.l., works ..... lb. .32½- —
l.c.l., works ..... lb. .33 - —
tanks, works ..... lb. .31 - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., works. lb. 16½- —
l.c.l., same basis ..... lb. .17 - —
tanks, same basis ..... lb. .15 - —
Divinyl, USP, anesthesia, bots., 50 cc, hospitals bot. 1.00 - —
75 cc. hospitals ..... bot. 1.56 - —
NF, dms., dlvd ..... lb. .25 - —
Ether, ethyl, absolute, ACS, dms lb. .30 - —
anesthesia, USP, hospital, cns. lb. .75 - .90
Industrial, USP, dms., c.l., dlvd. lb. .10½- —
l.c.l., same basis ..... lb. .12½- —
tanks, same basis ..... lb. .08½- —
synthetic, dms., incl., dlvd. East. lb. .12 - —
l.c.l., same basis ..... lb. .14 - —
tanks, same basis ..... lb. .10 - —
Isopropyl, dms., c.l., dlvd ..... lb. .06¼- —
l.c.l., dlvd. ..... lb. .07 - —
tanks, dlvd. ..... lb. .04½- —
Nitrous, conc., bots., 100 lbs .. lb. 1.03 - 1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld. lb. .10¾- .11¾
l.c.l., frt. alld ..... lb. .11¾- .12¾
tanks, frt. alld ..... lb. .09 - .10
95-98%, dms., c.l., frt. alld lb. .11 - .12
l.c.l., frt. alld ..... lb. .12 - .13
tanks, frt. alld ..... lb. .09¼- .10¼
99%, dms., c.l., frt. alld lb. .11¼- .12¼
l.c.l., frt. alld ..... lb. .12¼- .13¼
tanks, frt. alld ..... lb. .09½- .10½
NF, dms., frt. alld ..... lb. .25 - —
synthetic, 85-90%, dms., c.l., frt. alld .. lb. .11¾- —
l.c.l., frt. alld ..... lb. .12¾- —
tanks, frt. alld ..... lb. .10 - —
95-98%, c.l., frt. alld ..... lb. .12 - —
l.c.l., frt. alld ..... lb. .13 - —
tanks, frt. alld ..... lb. .10¼- —
99%, dms., c.l., frt. alld .. lb. .12¼- —
l.c.l., frt. alld ..... lb. .13¼- —
tanks, frt. alld ..... lb. .10½- —
Acetoacetate, dms., c.l., dlvd lb. .47½- —
l.c.l., dlvd. ..... lb. .48½- —
tanks, dlvd. ..... lb. .46 - —
Acrylate, dms., c.l., and truckload, works lb. .49 - —
less than truckload, works .. lb. .49½- —
tanks, works ..... lb. .48 - —
Ethyl benzoate, dms. ..... lb. .70 - .75
Betaethoxypropionate dms. works lb. .70 - —
Bromide, tech., 98%, dms. ..... lb. .39 - .41
Butyrate, bots. ..... gal. 5.10 - 5.85
cns., works ..... lb. .68 - .80
dms., works ..... lb. .60 - —
Carbamate (see Urethane).
Chloride, tech., dms., c.l., frt. alld. E. lb. .16 - .18
l.c.l., same basis ..... lb. .18 - .20
tanks, same basis ..... lb. .13½- —
USP, bbls., cyl. ..... lb. .20 - .22
Cinnamate, cns. ..... lb. 2.25 - 2.50
Formate, dms. ..... lb. .55 - .65
Iodide, bots., works ..... lb. 3.88 - 4.27
Lactate, dms., works ..... lb. .41 - —
Methacrylate, dms., c.l. and truckload, works lb. .50 - —
less than truckload, works .. lb. .50½- .60
Nitrite (see Ether, nitrous).
Oenanthate, dms ..... lb. .95 - 1.50
Oleate, dms., l.c.l., works lb. .53 - —
Oxalate (see Diethyl oxalate).
Silicate, dist (see Tetraethyl-orthosilicate).
40% available SiO_2, dms., works. lb. .55 - —
Ethylaiphanaphthylamine, dms . lb. .80 - —
Ethylanilin, dms. ..... lb. .50 - —
Ethylbenzene, dms., c.l. ..... lb. .14 - —
l.c.l. ..... lb. .15 - —
tanks ..... lb. .13 - —
Ethylbutyl ketone, dms., c.l., works. lb. .31½- —
l.c.l., works ..... lb. .32 - —
tanks ..... lb. .30 - —
Ethylcellulose, fib dms., 5,000 lbs., works lb. .54 - —
smaller lots, works ..... lb. .56 - .64
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies lb. .09½- —
l.c.l., works, frt. alld E of Rockies lb. .10½- —
tanks, frt. alld., E. Rockies lb .08 - —
Prices West of Rockies, 1c. per lb. higher.
Oxide, cyls., c.l., frt. alld ..... lb. .23¾- —
l.c.l., frt. alld ..... lb. .24¾- —
tanks, frt. alld ..... lb. .16¾- —
Trichloride (see Trichloroethane)
Ethylenediamine, dms., c.l., works. lb. .42 - —
l.c.l., works ..... lb. .42½- —
tanks, works ..... lb. .40 - —
Ethyleneglycol, dms., c.l., frt. alld. E lb. .16 - —
l.c.l., same basis ..... lb. .17 - —
tanks, same basis ..... lb. .14½- —
Diethylether, dms., l.c.l., works lb. .55 - —
Monobutylether, dms., c.l., works. lb. .20 - —
l.c.l., works ..... lb. .20½- —
tanks, works ..... lb. .18½- —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works ..... lb. .18½- —
tanks, works ..... lb. .16½- —
Monoethylether acetate, dms., c.l., works. lb. .16 - —
l.c.l., works ..... lb. .16½- —
tanks, works ..... lb. .14½- —
Monomethylether, dms., c.l., works. lb. .19½- —
l.c.l., works ..... lb. .20 - —
tanks, works ..... lb. .18 - —
Monomethylether acetate, dms., c.l., works lb. .24¼- —
l.c.l., works ..... lb. .25 - —
tanks, works ..... lb. .23 - —
Monostearate, dms. ..... lb. .33 - —
Ethylethanolamines, mixed, dms., c.l., frt. alld., E. Miss. lb. .33¾- —
l.c.l., same basis ..... lb. .34¾- —
tanks, same basis ..... lb. .32 - —
Ethylmorphine hydrochloride, USP, bots oz. 11.85 - —
Ethylorthotoluidine, bbls. ..... lb. .80 - —
Ethylvanillin, cns., 3 lbs. or more lb. 6.75 - —
smaller lots ..... lb. 6.80 - 6.90
Eucalyptol, USP, cns., dms. ..... lb. 1.25 - 2.05
Eucalyptus leaves, bls ..... lb 10 14
Eugenol, pure, USP, cns ..... lb. 2.50 - 2.95
Euphorbia, pul., herb., bls ..... lb. .15 - .18

F

Feldspar enamel, 100 mesh, bgs., works .. ton. 20.00 -22.00
Glass, 20 mesh, bulk, tons, works. ton. 11.75 -12.50
Pottery, bgs., ton lots, works .. ton. 20.00 -22.00
bulk, c.l., works ..... ton. 18.00 -20.00
Fennel seed, Czech, dark, bgs .. lb. .10½- .11
French, bgs. ..... lb. .11 - .11¼
Indian, bgs ..... lb. .12 - .12¼
Fenugreek, domestic, bgs ..... lb. No stocks.
Indian, bgs ..... lb. .11 - .11¼
Moroccan, bgs ..... lb. .06½- .07
Syrian, bgs. ..... lb. .06½- .06¾
Ferric-ammonium citrate (see iron-ammonium citrate)
Ferric cacodylate (see iron cacodylate).
Ferric glycerophosphate (see iron-glycerophosphate).
Ferric hypophosphite (see iron hypophosphite).
Ferric sulphate (see iron sulphate, ferric).
Film scrap, colored, cs., works lb. .11½- —
water-white, cs., works ..... lb. .13½- —
Fir balsam, Canada, cns ..... gal. 32.50 -33.00
Oregon, bbls. ..... gal. 2.35 - 2.60
Fishberries, bgs ..... lb. .20 - .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area .. ton. 135.00 - —
Fishscrap, dried, 60% protein, bulk, Balto. area .. ton. 127.50 - —
Fleaseed (see Psyllium seed).
Fringetree bark, bls ..... lb. .42 - .45
Fluorspar, acid grade, bgs., c.l., mines ton. 47.50 - —
l.c.l., mines ..... ton. 49.50 - —
bulk, contract, c.l., mines ton. 42.00 - —
noncontract, c.l., mines ton. 45.00 - —
l.c.l., mines ton. 47.00 - —
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines net ton. 39.00 -41.00
powd., 90-92% ..... ton. 41.00 - —
foundry grade, lump, 55-60%, ton. 34.00 - —
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines ton. 35.00 -37.00
65% bulk, c.l., mines ..... ton. 34.00 -36.00
60%, bulk, c.l., mines ..... ton. 33.00 -35.00
less than 60%, bulk, c.l., mines, ton. 32.00 -34.00
Formaldehyde, USP (inhibited), dms., c.l. E. works lb. .0570- —
l.c.l., E. works ..... lb. .0620- —
tanks, E. works ..... lb. .0370- —
methanol-free (uninhibited), tanks, works .. lb. .0350- —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware; in states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants are .022 for inhibited and .020 for uninhibited.

Fuller's earth, dom., powd., bgs., c.l., Fla., Ga mines ton. 30.00 - —
Tex., mines ..... ton. 27.00 - —
spent, bulk, Bayonne ..... ton. 2.00 4.00
imported, bgs., c.l. ..... ton. 30.00 -40.00
Furfural, tech., dms., c.l., works lb. .12 - —
l.c.l., works ..... lb. .14 - —
tanks, works ..... lb. .09½- —

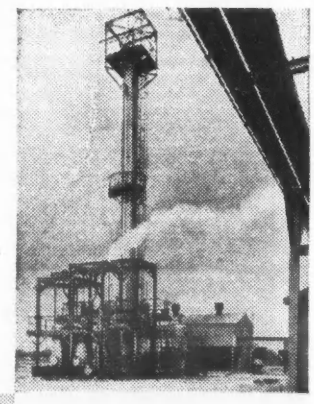
Jefferson Ethylene Dichloride

a widely useful solvent, extractant, chemical intermediate of exceptional quality

The extremely narrow boiling range of Jefferson Ethylene Dichloride indicates the high product quality that results from close production control.

Best known as a solvent with an unusually wide range of applications, high-purity Jefferson Ethylene Dichloride is also a versatile and safe extractant for edible oils, essential aromatic oils and drug principles. It is an important ingredient in fumigants, insecticides, cleansing agents, rubber cements and mastics, and is a valuable chemical intermediate.

From Jefferson's production facilities, Ethylene Dichloride is available in tank cars and 55 gallon drums. For your preliminary investigations, we will be glad to supply samples. Please make requests on your company letterhead.



Ethylene dichloride fractionating tower and purification unit at Jefferson plant, Port Neches, Texas

Jefferson Chemical Company, Inc.

711 FIFTH AVE., NEW YORK 22, N.Y.

ESSENTIAL CHEMICALS FROM HYDROCARBON SOURCES

ETHYLENE OXIDE
DIETHYLENE GLYCOL
ETHYLENE DICHLORIDE
ETHYLENE GLYCOL

Announcement!

CARNEGIE CHEMICALS (WELWYN) LTD

Producers of

ADRENALINE . AESCULIN
ALOIN . ALUMINUM HYDROXIDE COLLOIDAL
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BARBITURATES . BISMUTH SALTS
BROMISOVALERYLUREA . BRUCINE & SALTS
CAFFEINE & SALTS . CALCIFEROL
CARBROMAL . CHLORAL HYDRATE
CHRYSAROBIN . CINCHONA FEBRIFUGE
CITRATES . CYCLOBARBITONE
EMETINE SALTS . EPHEDRINE & SALTS
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HYOSCINE HYDROBROMIDE
IODIDES . LITHIUM SALTS
MERCUROCHROME . NICOTINIC ACID
PARA AMINOSALICYLIC ACID AND ITS SODIUM SALT
PHENAZONE COMPOUNDS . PHENOBARBITONE AND ITS SODIUM SALT
PODOPHYLLIN RESIN EMODI . QUINIDINE SULPHATE
QUININE & SALTS . SALICYLATES
SANTONIN . STILBOESTROL
STRYCHNINE & SALTS . SULPHAGUANIDINE
SULPHANILAMIDE
THEOBROMINE & SALTS . THEOPHYLLINE & SALTS
TOTAQUINA
ETC.

Represented by

INDUSTRIAL RAW MATERIALS CORP.

52 WALL STREET, NEW YORK CITY

Fusel Oil—Lead Arsenate

Fusel oil, refined, dms., c.l., dlvd lb. .23¾- —
l.c.l., dlvd lb. .24¾- —
tanks, dlvd lb. .22 - —
Fustic extract, cryst., No. 1, bbls., l.c.l lb. .42½- —
No. 1A, bbls., l.c.l lb. .41½- —
No. 2, bbls., l.c.l lb. .40½- —
No. 3, bbls., l.c.l lb. .38½- —
liquid, No. 0, bbls. l.c.l lb. .22 - —
No. 1, bbls., l.c.l lb. .20½- —
No. 2, bbls., l.c.l lb. .19½- —
No. 3, bbls., l.c.l lb. .17 - —
solid, No. 1, bxs., l.c.l lb. .28 - .40

G

G salt, bbls lb. .59 - .67
Galangal root, bls lb. .22 - .25
Gambier, plantation, bgs., ex dock lb. No stocks.
Extract, bbls No stocks.
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane, tanks gal. .105 - —
Bayonne, 73 octane, tanks gal. .116 - —
Gulf coast, 82 octane, tanks gal. .105 - .11
Group 3, 82 octane, tanks gal. .10125- .10375
Pennsylvania, western, U. S. motor, 83 octane, tanks gal. .1275- —
natural, 26-70 octane group 3, tanks gal. .05125- —
Gelatin, silver label, imported, cs lb. 1.15 - —
Geisemium root, bls lb. .25 - .30
Gentian root, bls lb. .13 - .17
grd., bbls., bxs lb. .17 - .18
powd., bbls., bxs lb. .18 - .21
Geraniol, extra, cns., dms lb. 2.60 - 3.00
prime lb 2.20 2.40
Geranyl acetate, cns lb. 2.60 - 3.00
Ginger, oleoresin, NF, from African root, bots lb. 7.75 - 9.50
from Jamaican root lb. 10.50 -12.85
Root, African, bls lb. .45 - .46
May-June shipment, bgs lb. .38 - .39
Cochin, bleached, bgs., futures, lb. No stocks.
unbleached, bgs lb. .52 - .52½
Jamaica, No. 1, bgs lb. .62 - .63
No. 2, bgs lb. .60 - .61
No. 3, bgs lb. .57 Nom.
Rhattoon, bgs lb. .50 Nom.
Nigerian, split, bgs lb. .35 - .36
Ginseng root, cs lb. 12.00 -16.00
Glauber's salt, anhyd. (see Sodium sulphate).
cryst., bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., bgs., works 100 lbs. 1.75 - 2.00
Glue, bone, calcium type 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .19½- —
65 jellygrams, bgs., c.l., same basis lb. .21 - —
80 jellygrams, bgs., c.l., same basis lb. .22 - —
110 jellygrams, bgs., c.l., same basis lb. .23 - —
130 jellygrams, bgs., c.l., same basis lb. .24 - —
Over 150 jellygrams, bgs., c.l., same basis lb. .25 - —
Bone glue, l.c.l., 1c. per lb. higher than c.l.
ground, 65 jellygrams, bgs., c.l. (50,000 lbs.), dlvd lb. .21½- —
l.c.l., same basis lb. .22½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd lb. .24 - .27
122-149, bgs., c.l., dlvd lb. .25 - .28
150-177, bgs., c.l., dlvd lb. .26 - .29
178-206, bgs., c.l., dlvd lb. .27 - .31
207-236, bgs., c.l., dlvd lb. .28 - .32
237-266, bgs., c.l., dlvd lb. .29 - .33
267-296, bgs., c.l., dlvd lb. .30 - .34
299-330, bgs., c.l., dlvd lb. .31 - .35
331-362, bgs., c.l., dlvd lb. .32 - .35
363-394, bgs., c.l., dlvd lb. .33 - .36
395-427, bgs., c.l., dlvd lb. .34 - .37
428-460, bgs., c.l., dlvd lb. .35 - .38½
461-494, bgs., c.l., dlvd lb. .36 - .40
495-529, bgs., c.l., dlvd lb. .37 - .41
Hide glue, l.c.l., prices 1c. higher than c.l., bbls. ½c. more than bgs.
Glycerin, crude, saponification 88% to refiners, tanks, dlvd lb. No prices.
soaplye, 80%, tanks, dlvd lb. No prices.
dynamite, dms., c.l., dlvd lb. .29 - —
l.c.l., dlvd lb. .29½- —
tanks, dlvd lb. .28½- —
high gravity, dms., c.l., dlvd lb. .29¼- —
l.c.l., dlvd lb. .29¾- —
tanks, dlvd lb. .28¾- —
refined, BP, 98%, dms., c.l., dlvd. lb. .30½- —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
USP, c.p. 95% dms. c.l., dlvd. lb. .29¾- —
l.c.l., dlvd lb. .30¼- —
tanks, dlvd lb. .29¼- —
yellow, distilled, dms., c.l., dlvd lb. .29⅛- —
l.c.l., dlvd lb. .30⅜- —
tanks, dlvd lb. .28⅜- —
Glycine USP (see Acid aminoacetic)
Glyoxal, 30%, dms., c.l., works lb. .18½- —
l.c.l., works lb. .19 - —
tanks, works lb. .18 - —
Gold chloride, acid-brown, bots. oz. 22.50 -23.00
acid-yellow, bots oz. 20.50 - —
Gold of pleasure seed, bgs lb. 40 41
Goldenseal root, bls lb. 3.25 - 3.50
powd., bxs lb. 3.75 - 4.00
Gold-sodium chloride, photo, bots. oz. 13.00 -14.00
USP IX, bots oz. 14.50 -15.50
Grains of paradise, bgs lb. .45 - .46
Graphite, imported, amorph., powd., bgs., dlvd lb. No prices.
crystalline, 88-90%, powd., bgs., ex whse lb. No prices.
90-92%, powd., bgs., ex whse, lb. No prices.
97%, powd., bgs., ex whse lb. No prices.
flake, No. 1 90-95%, bgs., cns., ex whse lb. No prices.
No. 2, whse lb. No prices.
Grease, house, loose, dlvd lb. .06½- —
White, choice, loose lb. .08½- —
Wool (see Degras and Lanolin).
Yellow, loose lb. .07 - —
Green, brilliant, thioflavin, toner, molybdic, kgs., works lb. 4.25 - 4.50
Tungstic, kgs., works lb. 4.25 - 4.50
16-20% bbls., same basis lb. .38½- —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .32 - —
6-10%, bbls., same basis lb. .33 - —
11-15%, bbls., same basis lb. .34 - —
16-20%, bbls., same basis. lb. .34½- —
21-25%, bbls., same basis lb. .35¼- —
26-30%, bbls., same basis lb. .35¾- —
31-35%, bbls., same basis lb. .36¼- —
36-40%, bbls., same basis lb. .36¾- —
Green, chrome, CP, color content 41-45%, bbls., same basis lb. .40 - —
46-50%, bbls., same basis lb. .22¼- —
50% and over, bbls., same basis lb. .42¾- —
reduced color, 5%, bbls., same basis lb. .12½- —
6-10%, bbls., same basis lb. .13¼- —
11-13%, bbls., same basis lb. .13¾- —
14-16%, bbls., same basis lb. .14½- —
17-19%, bbls., same basis lb. .14¾- —
20-21%, bbls., same basis lb. .15 - —
22-23%, bbls., same basis lb. .15¼- —
24-25%, bbls., same basis lb. .15¼- —
26-27%, bbls., same basis lb. .15¾- —
28-29%, bbls., same basis lb. .16¼- —
30-31%, bbls., same basis lb. .17¼- —
32-33%, bbls., same basis lb. .18½- —
34-35%, bbls., same basis lb. .19½- —
36-40%, bbls., same basis lb. .41¾- —
41-45%, bbls., same basis lb. .24½- —
46-50%, bbls., same basis lb. .26 - —
51-55%, bbls., same basis lb. .25¾- —
56-60%, bbls., same basis lb. .26¼- —
61-65%, bbls., same basis lb. .27¼- —
66-70%, bbls., same basis lb. .28½- —
Chrome green prices are 1c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs., frt. alld lb. .33 - .40
Dyes (see Dyes, coaltar).
Malachite thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls. works lb. 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works, lb 4.40 5.00
Tungstated, brilliant, kgs lb. 3.00 - 4.00
Emerald, kgs lb 2.60 —
Grindelia robusta herb, bls lb. .24 - .30
Guaiac resin, NF, cs lb. .60 - .65
ordinary, cs lb. .49 - .51
Wood, bls lb. .35 - .36
Guaiacol, cryst., tins lb. No prices.
Liquid, NF, bots., cbys lb. 1.90 - 1.95
Carbonate, dms lb 2.95 3.00
Guarana, powd., cs lb. 1.50 - 1.75
Gum, accroides (see Gum, yacca).
Aloe (see A.).
Ammoniac, tears, cs lb. .90 - .95
Arabic, amber, sorts, bgs lb. .12 - .13½
powdered, USP, bbls lb. .20½- .21
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs lb. .50 - .70
Camphor (see C).
Copal, Congo, No. 1, bgs lb. .25 - .26
No. 2, bgs lb. .20 - .21
No. 3, bgs lb. .17 - .18
Manila, toba, B, bgs lb. No prices.
C, bgs lb. .26 - .27
CBB, bgs lb. .23 - .24
CNE, bgs lb. No prices.
DBB, bgs lb. .22 - .23
DK, bgs lb. .13 - .14
dust, bgs lb. No prices.
soft, MA, bgs lb. .15 - .16
WS, bgs lb. No prices.
Philippine, pale, chips, bgs lb. .21 - .22
nubs, bgs lb. .24 - .25
seeds, bgs lb. .15 - .16
sorts, bgs lb. .17 - .18
Pontianak, chips, bgs lb. .14 - .16
nubs, bgs lb. .25 - .27
Dammar, Batavia, A D, bgs lb. .28 - .30
A, E, bgs lb. .23 - .24
dust, bgs lb. .12 - .13
E, bgs lb. .12½- .13½
East India, batu, bold, bgs lb. .09 - .10
nubs and chips, bgs lb. .06 - .07
black, bold, bgs lb. .11 - .12
unscraped, bgs lb. .09 - .10
nubs and chips, bgs lb. .09 - .10
pale, chips, bgs lb. .11 - .13
nubs, bgs lb. .20 - .22
Singapore, No. 1, bgs lb. .28 - .30
No. 2, bgs lb. .20 - .21
No. 3, bgs lb. No prices.
dust, bgs lb. .09 - .10
seeds, bgs lb. .12½- .13¼
Elemi, cns lb. .22 - .23
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N E. States, Minneapolis, N C., Ohio, St. Louis, St. Paul, Va., W Va lb. .12 - .12½
wood-rosin type, dms., c.l., dlvd, Ill., Ind., etc lb. .12 - .12½
Euphorbium, cs lb. .35 - .40
Galbanum, cs lb. .75 .80
Gamboge, pipe, cs lb. 1.00 - 1.05
powd., bbls lb. 1.15 - 1.20
Ghatti, No. 2, bgs lb. .35 .37
No. 3, bgs lb. .31 .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1 lb. .49 - .54
No. 2 lb. .45 - .46
No. 3 lb. .34 - .35
Kauri, bgs lb. .31½- .32¼
Locust bean, powd., bgs lb. .32 - .34
Mastic, cs lb. 2.25 - 2.30
Myrrh, cs lb. .30 .35
Olibanum, siftings, cs lb. .12 - .13
tears, cs lb. .16 .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks lb. 1.95 - 2.25
Scammony, cs lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs lb .10 .11
Tragacanth, No. 1, cs lb 2.75 3.00
No. 2, cs lb. 2.50 2.75
No. 3, cs lb 1.75 2.00
powdered, USP, bbls lb 1.35 1.45
Yacca, bgs lb. .05½- .06⅛
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton. 22.65 - —
Harlem river N. Y., frt. equald ton. 28.25 - —
Medicine Lodge, Kan., frt. equald ton. 17.00 - —
New Brighton, N. Y., frt. equald ton. 30.65 - —
Southard, Okla., frt. equald, ton. 17.00 - —
Sweetwater, Tex., frt equald ton. 21.45 - —
Gypsum, plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald ton. 12.50 - —
Blue Rapids, Kans., frt. equald ton. 10.50 - —
Harlem river, N. Y., frt. equald ton. 12.00 - —
Medicine Lodge, Kan., frt. equald ton. 12.50 - —
New Brighton, N. Y., frt equald ton. 18.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald, ton. 12.50 - —
Sweetwater, Tex., frt. equald ton. 12.50 - —
Stucco, paper bgs., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Gypsum, Ohio, frt. equald, ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald, ton. 8.00 - —
Portsmouth, N. H., frt. equald ton. 8.00 - —
Roton, Texas, frt. equald, ton. 8.00 - —
Saltville, Va., frt. equald, ton. 9.00 - —
Southard, Okla., frt. equald, ton. 8.00 - —
Sweetwater, Texas, frt. equald ton. 8.00 - —
Terra alba, paper bags, c.l., Harlem River, N. Y. works ton. 22.50 - —
New Brighton, N. Y., works ton. 21.00 - —

H

Hawthorn berries, bgs lb. .39 - .45
Heliotropin, cryst., cns lb. 3.00 - 3.25
Hellebore root, dom., green, bls lb. .55 - .60
imp., black, whole, bls lb. .40 - .25
ground, bxs lb. .25 - .30
powder, bxs lb. .27 - .32
white, whole, bls lb. .30 - .40
powder, bxs lb. .35 - .45
Helonias root, bls lb. 1.65 - 1.75
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½- —
No. 1, bbls., l.c.l lb. .44½- —
No. 1A, bbls., l.c.l lb. .41½- —
No. 2, bbls., l.c.l lb. .40½- —
No. 3, bbls., l.c.l lb. .38½- —
No. 4, bbls., l.c.l lb. .36½- —
No. 5, bbls., l.c.l lb. .24½- —
paste, No. 1, bbls., l.c.l lb. .19 - —
No. 2, bbls., l.c.l lb. .18 - —
No. 3, bbls., l.c.l lb. .17 - —
No. 4, (red), bbls., l.c.l lb. .12½- —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls lb. .30 - .35
Henna leaves, bls lb. .23 - .25
powd., bbls., bgs lb. .27 - .29
Heptane, industrial, Bayonne, N. J., tanks gal. .16½- —
group 3, tanks gal. .12½- .13⅛
Hesperidin methylchalcone, works. lb. 50.00 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs, c.l., Perth Amboy or N.Y.C. lb. .22 - —
l.c.l., same basis lb. .22½- —
bbls., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .24½- —
USP, dms., 300 lbs. or more, same basis lb. .38½- —
smaller lots, same basis lb. .39½- —
Hexamine (see Hexamethylene tetramine)
Hexane, industrial, group 3, tanks, gal. .13½- .14⅛
Bayonne, N. J., tanks gal. .16½- —
Hexanol, normal, dms., c.l., works lb. .31½- —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Hexyleneglycol, dms., c.l., dlvd lb. .14¼- —
l.c.l., dlvd. lb. .15 - —
tanks, dlvd. lb. .12½- —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol, USP, 50 lbs. up, frt. alld lb. 17.00 - —
works lb. 15.00 -17.00
smaller lots, frt. alld lb 18.00 —
works lb. 18.00 -20.00
Histamine diphosphate, USP, bots kilo. 375.00 - —
Histidine hydrochloride—laevo, AP, 5lb. dms., 50 kilo lots, works kilo. 100.00 -120.00
1-5 kilos, works kilo. 110.00 -130.00
Homatropine hydrobromide, USP, bots oz. 15.00 -16.00
Hydrochloride, bots oz. 20.00 -22.00
Methylbromide, NF oz. 13.00 -16.25
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago, unit-ton. 7.00 - —
Hops, NF, bls lb 40 45
Horehound, herb, bls lb. .17 - .18
Hydrangea root, bls lb. .14 .17
Hydrastine, bots oz. 31.00 -37.00
Hydrochloride, NF oz. 29.50 -36.00
Sulphate, bots oz. 35.00 -37.00
Hydrastinine, 10-grain bots bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydroturamide, dms., fib. cans, works lb. .30 - .40
Hydrogen peroxide, USP, bbls lb. 03¾- .08
27½%, cbys., E. of Miss lb. .17½- .19½
35%, cbys., same basis lb. .23½- .25½
dms., c.l., same basis lb. 20½- —
l.c.l., same basis lb. .21 - .23½
tanks lb 19¼ —
Hydrogen peroxide prices on W. Coast, 2c. per lb. higher.
Hydroquinone, photographic, bbls., dms lb .90 - —
tech., dms lb .70 - —
Hydroxycitronellal, cns 7.30 - 8.05
Hyoscine salts (see Scopolamine)
Hyoseyamine, bots oz. 15.75 -16.00
Hydrobromide, bots lb. 16.50 -18.00
Sulphate, bots oz. 13.50 -14.00
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .58 - —
No. 2, bbls., l.c.l lb. .48 - —
liquid, No. 1, bbls., l.c.l lb. .30 - —
No. 2, bbls., l.c.l lb. .25 - —
solid, No. 1, bxs., l.c.l lb. .44 - —
Hyssop herb, bgs lb. .35 - .45
Leaves, bgs lb. .45 - .50

I

Iceland moss, bgs lb. .35 - .40
Ichthammol, F, dms lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests lb. 2.14 - 2.16
synth., paste, bots lb. .23 - —
powd., bbls lb. 1.03 - —
Indol, CP, bots lb. 17.00 -19.00
Inositol, dms., dlvd lb 4.90 - —
tins, dlvd lb. 5.00 - —
Insect flowers (see Fyrethrum).
Iodine, crude, kgs lb. 1.52 - —
resubl., USP, bots., jars lb. 2.30 - 2.41
Iodochlorohydroxyquinolin, NF, dms. lb. 5.90 - —
Iodoform, NF, dms., kgs lb 4.45 - 4.60
Ionone, alpha, cns lb. 5.55 -13.65
beta, cns lb. 8.65 -10.00
Ipecac root, bgs lb. 4.10 - 4.50
powd., bgs lb. 4.40 - 5.00
Irish moss, bleached, prime, bls lb. .16 - .18
Iron acetate, liquor, 28° bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
solut., USP IX, cbys lb. .16 - —
djns lb. .17 - —
Cacodylate, NF, bots lb. 13.50 -14.50
Chloride (ferric), anhydr., tech., dms., c.l., works, 100 lbs. 5.75 - —
l.c.l., works 100 lbs. 6.50 - 7.50
cryst., tech., c.l., bbls., works, 100 lbs. 5.00 - 6.00
l.c.l., bbls., works 100 lbs. 5.50 - 8.00
USP, dms., works lb. .07 - .08¼
solut., 42° Be, 100% basis, tanks, works, 100 lbs. 3.45 - —
Citrate, gran., dms lb. .77 - .80
Gluconate, NF, dms lb. .83 - .95
Glycerophosphate, N.F., powd lb 4.25 - 4.35
Hypophosphite, NF, dms lb. 2.80 - —
Iodide, bgs lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .21¼- .21¼
Oxalate, gran., dms lb. .83 - .85
Phosphate, soluble, NF, gran., cs lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms lb. .69 - .72
Reduced (see Iron by hydrogen).
Resinate, 7.4% Fe, dms., frt. alld. lb. .23 - —
Stearate, dms., c.l. lb. .34 - —
ton lots lb. .35 - —
less ton lots lb. .36 - —
Sulphate, partially hydrated, bgs., c.l., works, ton. 28.50 - —
l.c.l., works ton. 29.50 - —
ferrous, tech. (see Copperas).
USP, cryst., bbls., dms lb. .09½- .10
Iron by hydrogen, kgs lb. .80 - .85
Iron-ammonium citrate, green, NF, gran., dms lb. .55 - .58
brown, USP, gran., dms lb. .55 - .58
Oxalate, dms lb. .25½- .28⅛
Iron-potassium oxalate, fine gran., dms lb. .30½- .33⅛
Iron-sodium oxalate, fine gran., dms lb. .25½- .28⅛
Isoborneol, cns lb. .84 - .95
Isobornyl acetate, cns lb. .77 - .97
Isobutyl acetate, cns lb. .72 - 1.25
Methacrylate, dms., works lb. .60 - —
Propionate, cns lb. No prices.
Isobutyraldehyde, dms., works lb. .50 - .53
Isoeugenol, cns lb. 3.15 - 3.70
Isoleucine, dextro-laevo, with allo-isoleucine, dms., works lb. 25.00 -35.00
Isopentane, dms., works lb. .45 - .55
Isophorone, dms., c.l., works lb. .22½- —
l.c.l., works lb. .11 - —
tanks, works lb. .21 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld lb. .10¾- .11⅜
l.c.l., same basis lb. .11½- .12⅛
tanks, same basis lb. .09 - .10
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether (see Ether, isopropyl).
Isopropylamine (see Monoisopropylamine).
Isoquinoline, dms., c.l., works lb. .20 - —
l.c.l., works lb. .40 - —

J

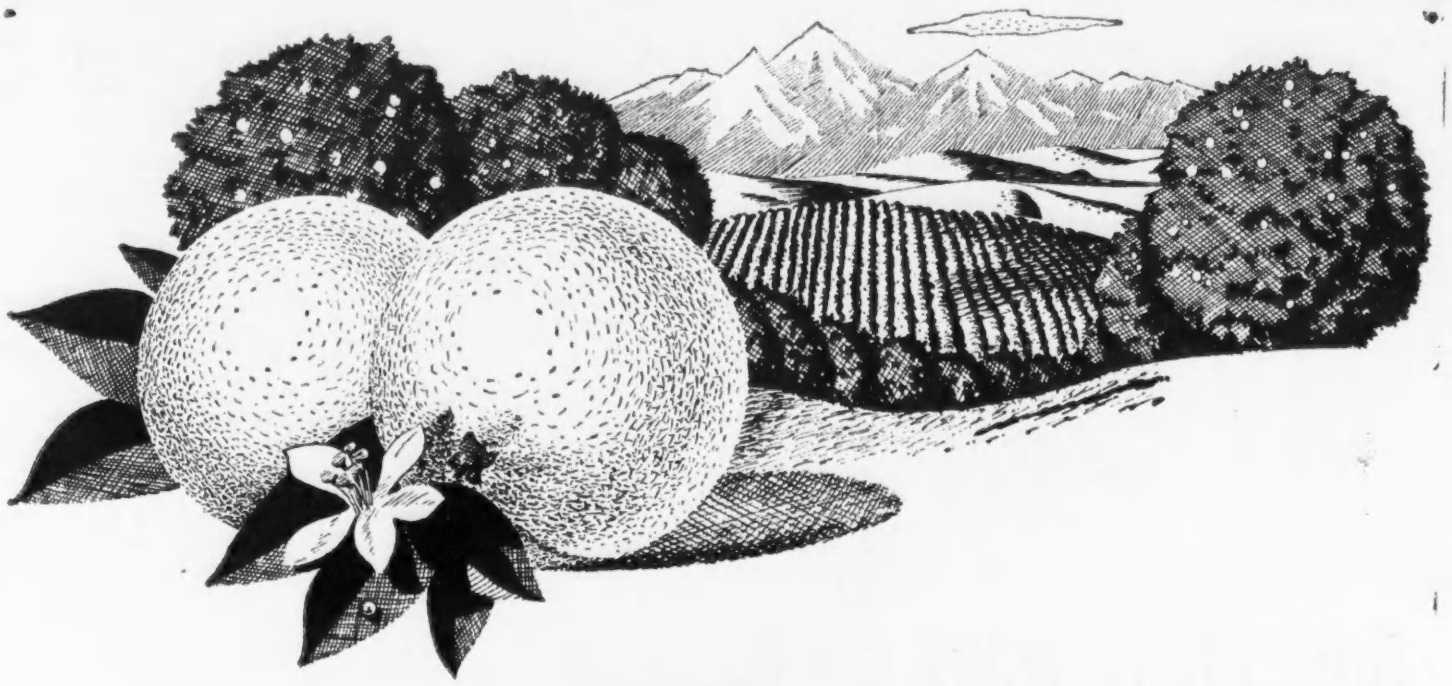
Jaborandi leaves, bls lb. .15 - .20
Jalap root, NF, bls lb. .43 - .45
powd., bbls., bxs lb. .48 - .50
Resin, NF, powd., bxs lb. 6.20 - 6.60
Juniper berries, bgs lb. .08 - .12
Tar, dms lb. .40 - .45

K

Kamala, powd., cns lb. .60 - .65
Kaolin (see China clay).
Kava kava root, bls lb. .25 - .30
Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks gal. .08625- —
Bayonne, 41-43 s.g., w.w., tanks gal. .092 - —
California, 40-43 s.g., w.w., tanks gal. .121 - .126
Gulf ports, 41-43 s.g., w.w., tanks gal. .086 - .092
Okla.-Tex., 41-43, s.g., w.w. tanks. gal. .085 - .09
Penn., Western, 43 s.g., w.w., tanks gal. .0875- .10
Kola nuts, ogs lb. .08 .10
Kyanite, imp., low iron content, 10-mesh, whse ton. 85.00 -95.00
calcined, grain, 10-mesh, whse ton. 85.00 -105.00

L

Lady slipper root, bls lb. 1.45 - 1.50
Lanolin, anhyd., cosmetic, dms., works lb. .30 - .32
pharmaceutical, USP, dms., works lb. .28 - .31
hydrous lb. .27 - .29
Lard, cash, trcs., Chicago lb. .1625 Nom.
Larkspur seed, bgs lb. .20 - .25
Laurel berries, bls lb. .25 - .26
Leaves, Greek, bls lb. .08 - .08¼
Turkish, bls lb. .11 - .11⅛
Yugoslavian, bls lb. .08½- .09
Lauryl chloride, dms., works, frt. equald lb. .711 - —
Methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls lb. .55 - .60
ordinary, bls lb. .16 - .20
select, bls lb. .60 - .65
Lead acetate, white, crystals, bbls., lb. .19 - —
gran., bbls lb. .19¾- —
powd., bbls lb. .19¾- —
USP, cryst., dms lb. .21 - —
gran., powd., dms lb. .21¾- —
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or over lb. .25 - —
l.c.l., frt. alld lb. .26 - .27
3-lb. bgs., c.l., frt. alld lb. .37½- —
l.c.l., frt. alld lb. .38½- .39¼
Lead arsenate prices are works or whse. basis frt. alld. on purchases totaling $75.00 or more to dest. East.



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Exchange

HESPERIDIN METHYL CHALCONE

(A water soluble "Vitamin P" Drug)

THE MANUFACTURING PHARMACIST now has available in one moderately priced material an infinitely soluble yet non-hygroscopic powder sufficiently stable for production of parenteral as well as peroral preparations.

TO THE PHYSICIAN it provides a quickly assimilated yet safe drug...a completely water soluble derivative of citrus hesperidin.

HESPERIDIN METHYL CHALCONE was developed by the Research Laboratories of The California Fruit Growers Exchange shortly after Szent-Gyorgyi's announcement of "Vitamin P."

CALIFORNIA FRUIT GROWERS EXCHANGE

PRODUCTS DEPARTMENT • ONTARIO, CALIFORNIA

400 West Madison Street, Chicago, Illinois 99 Hudson Street, New York City

SUPPLIED TO PHARMACEUTICAL FIRMS SERVING THE MEDICAL PROFESSION

Lead, Blue—Manganese Chloride

Lead, blue, basic sulphate, bbls., c.l., ship't point, frt. alld. lb. .12½- —
l.c.l., works lb. .13½- —
Carbonate (see Lead, white).
Chloride, dms. lb. .39 - —
Iodide, NF V, jars lb 3.30 - —
Linoleate, liq., 13% Pb, dms., frt. alld lb. .29¼- —
Metal, pigs, prime, N. Y. lb. .1200- —
St. Louis lb. .1180- —
Metallic paste, dms., 20,000-40,000 lbs., works lb. .27½- —
10,000-20,000 lbs., same basis lb. .28 - —
2,000-10,000 lbs., same basis lb. .28½- —
200 to 2,000 lbs., same basis lb. .29 - —
Prices ex whse., Jersey City, N. J., 4½c. per pound higher.
Naphthenate, liquid, 16% Pb, dms., dlvd lb. .15 - —
24% Pb, dms., dlvd lb. .20¼- —
37% Pb, dms., dlvd lb. .26½- —
Nitrate, bbls., c.l. lb. .19 - —
l.c.l. lb. .19¼- —
Oleate, fused, bbls lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .29½- —
60% PbO, dms., works lb. .28 - —
Peroxide, powd., tech., bbls lb. .38 - .39
Phthalate, dibasic, dms., works lb. .37½- —
Red, 95% Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .14¾- —
l.c.l., same basis lb. .15¾- —
97% Pb_3O_4, bbls., c.l., same basis lb. .15 - —
l.c.l., same basis lb. .16 - —
98% Pb_3O_4, bbls., c.l., same basis lb. .15¼- —
l.c.l., same basis lb. .16¼- —
Lead resinate, precip., dms., dlvd lb. .25½- —
Salicylate, normal, dms., works lb. .41¾- —
Silicate, bgs., l.c.l., ship't pt., frt. alld. lb. .14¾- —
Stearate, dibasic, dms., works lb. .50¼- —
precip., bbls., c.l. lb. .36 - —
ton lots lb. .37 - —
less ton lots lb. .38 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
tribasic, dms., works lb. .24¼- —
Tallate, liquid, 16% Pb, dms. lb. .12½- —
solid, 30% Pb, dms lb. .19¼- —
White, basic carbonate, bgs., c.l., ship't point, frt. alld. lb. .14¾- —
l.c.l., same basis lb. .15¾- —
basic silicate, bgs., c.l., ship't point, frt. alld. lb. .13¾- .16¼
l.c.l., same basis lb. .14¾- .17¼
basic sulphate, bgs., c.l., ship't point, frt. alld. lb. .13¼- —
l.c.l., same basis lb. .14¼- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works lb. .13½- —
l.c.l., same basis lb. .16½- —
unbleached, c.l., same basis lb. .12½- —
l.c.l., same basis lb. .15½- —
Lemon peel, bls lb. .18 - .20
Leucine, dextro-laevo, dms., works lb. 28.00 -35.00
Licorice extract, mass, cns lb. .40 - .45
powd., bbls. lb. .55 - —
Root, bls lb. .08 - .09
5-lb. bundles, cs. lb. .40 - .45
powd., bbls lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼- .06½
Lime, agricultural, bgs., works ton 13.00 -13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass. ton 10.00 - —
Annville, Pa. ton 10.50 - —
Bellefonte, Pa. ton 10.50 - —
Buffalo, N. Y. ton 10.00 - —
Carey, Ohio ton. 7.00 - —
Cedar Hallow, Pa. ton 10.50 - —
Farnams, Mass. ton 14.00 - —
Gibsonburg, Ohio ton. 8.50 - —
Hannibal, Mo. ton. 7.50 - —
Keystone, Ala. ton. 9.75 - —
Knoxville, Tenn. ton. 9.75 - —
Limedale, Ark. ton. 9.00 - —
Longview, Ala. ton. 9.75 - —
Martinsburg, W. Va. ton 10.00 - —
Menominee, Mich. ton. 8.00 - —
Mitchell, Ind. ton. 7.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 7.50 - —
Sherwood, Tenn. ton 10.00 - —
Sherwood, Wis. ton. 8.50 - —
Woodville, Ohio ton. 9.50 - —
York, Pa ton 10.50 - —
Hydrated, paper bgs., Adams, Mass. ton 11.50 - —
Annville, Pa ton 13.50 - —
Bellefonte, Pa. ton 13.50 - —
Buffalo, N. Y. ton 13.50 - —
Carey, Ohio ton. 9.00 - —
Cedar Hollow, Pa. ton 13.50 - —
Engle, W Va. ton 13.00 - —
Farnams, Mass. ton 14.00 - —
Gibsonburg, Ohio ton 9.50 - —
Hannibal, Mo. ton. 9.50 - —
Keystone, Ala. ton 13.00 - —
Knoxville, Tenn. ton 12 25 - —
Limedale, Ark. ton 10.50 - —
Longview Ala. ton 13.00 - —
Manistique, Mich. ton. 9.50 - —
Lime, hydrated, paper bgs., Marblehead, Ohio ton 10.50 - —
Mitchell, Ind. ton 10.00 - —
Petoskey, Mich. ton 10.00 - —
Port Island, Mich. ton. 9.00 - —
Rapid City, S. Dak. ton 12.00 - —
Rockland, Maine ton 9.00 - —
Scioto, Ohio ton 9.00 - —
Sherwood, Tenn. ton 13.00 - —
Sherwood, Wis. ton 10.00 - —
Springfield, Mo. ton 9.00 - —
Woodville, Ohio ton 8.50 - —
York, Pa ton 13.50 - —
Spray, paper bgs., Adams, Mass. ton 11.70 - —
Annville, Pa ton 13 50 - —
Bellefonte, Pa. ton 13.50 - —
Carey, Ohio ton 11.00 - —
Engle, W Va ton 13 00 - —
Farnams, Mass. ton 14.00 - —
Gibsonburg, Ohio ton 10.00 - —
Marblehead, Ohio ton 10.00 - —
Rockland, Me ton 10.00 - —
Scioto, Ohio ton 10.00 - —
Woodville, Ohio ton 10.00 - —
York, Pa ton 13.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.3% N (see Ammonium nitrate-limestone).
Limestone, grd., bgs., works ton 3.50 - 4.00
Linalool, ex bois de rose lb 5.45 - 5.90
ex lignaloe wood lb 6.50 - 7.10
Linalyl acetate, 90-92%, bots. lb. 5.50 - 6.00
96-98%, bots. lb. 6.35 - 7.25
ex petitgrain, bots lb 4.25 - 6.00
Lindane, 25%, cns., works lb. 3.00 - 3.05
dms., works lb. 2.95 - —
Linden flowers with leaves, bls. lb. .22 - .25
without leaves, bls lb. .22 - .28
Linseed meal, expeller, 34% bulk, Midwest mills ton 69.00 - —
extracted, 34%, same basis ton 67.00 - —
extracted, 34%, same basis ton 62.50 - —
Litharge, com'l, powd. bbls., c.l., ship't point, frt. alld. lb. .13¾- —
l.c.l., same basis lb. .14¾- —
Lithium benzoate, dms. lb. 1.67 - —
Bromide, NF, bbls., works, frt. equald lb. 1.90 - —
Carbonate, NF, bbls., kgs lb. 1.05 - 1.15
Chloride, cryst., dms lb. .93 - —
Citrate, NF, bbls., dms., kgs lb. 1.05 - 1.40
Fluoride, bbls lb. 1.80 - 2.00
Hydride, dms., works lb. 14.00 -18.50
Hydroxide, monohydrate, dms. lb. .90 - 1.25
Salicylate, dms lb. 1.62 - 1.70
Lithopone, ordinary, bgs., c.l., dlvd. lb. .06½- —
l.c.l., dlvd. lb. .07¼- .07¼
Titanated (high-strength), bgs., c.l., dlvd lb. .08½- —
l.c.l., dlvd. lb. .09½- —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls lb. .70 - .75
Lobelia herb, bls lb. .80 - .85
leaves, NF lb. .85 - .90
Lobeline sulphate, bots., works oz. 34.00 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½- —
No. 2, bbls., l.c.l. lb. .36½- —
liquid, No. 1, bbls., l.c.l. lb. .18½- —
No. 2, bbls., l.c.l. lb. .17½- —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, bbls., l.c.l. lb. .16½- —
solid, No. 1, bxs., l.c.l. lb. .33 - —
No. 2, bxs., l.c.l. lb. .31 - —
No. 3, bxs., l.c.l. lb. .28½- —
No. 4, bxs., l.c.l. lb. .28 - —
No. 5, bxs., l.c.l. lb. .26½- —
No. 6, bxs., l.c.l. lb 44½- 49¼
Lovage root, imported, bls. lb. 1.00 - 1.10
Lupulin, tins lb. 1.95 - 2.00
Lycopodium, cs. lb. 1.20 - 1.50
Lysine hydrocnloride, dextro-laevo. lb. 145.00 -149.00

M

Mace, Amboyna, bls. lb. No prices.
Banda, No. 1, bls. lb. No prices.
Siauw, No. 1, bls lb. 1.15 - 1.20
West Indian, bls lb. 1.05 - 1.10
broken, bls lb. 1.03 - 1.05
Madder, Dutch, bgs lb. .29 - 32
Magnesia, calcined, tech., ctns., works lb. .32 - —
synth., rubber grade, ctns., works lb. .29 - .31
USP, light ctns lb. .34 - —
heavy, bbls lb. .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09 - —
l.c.l., frt. alld. lb. .10 - —
bbls., c.l., frt. equald lb. .10¼- —
l.c.l., frt. alld. lb. .11¼- —
kgs., c.l., frt. equald lb. .11½- —
l.c.l., frt. alld. lb. .12½- —
USP, bgs., c.l., frt. equald lb. .10¾- —
l.c.l., frt. alld. lb .11¾- —
bbls., c.l., frt. equald lb. .11¼- —
l.c.l., frt. alld. lb. .12¼- —
kgs., c.l., frt. equald lb. .12½- —
l.c.l., frt. alld lb. .13½- —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt. equald. with N Y C. on all other destinations.
Chloride, anhyd., dms., works lb .12¼- —
flake, bbls., c.l., works ton. 45.00 - —
l.c.l., works ton. 49.00 -51.00
Gluconate, dms., cns lb. 1.88 - 1.93
Glycerophosphate, dms. works lb. 4.85 - 4.95
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .29 - .30
Hypophosphite, dms. lb. 1.60 - —
Laurate, bbls lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .22½- —
sticks, cs., works, frt. alld. on c.l. basis lb. .39 - —
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia, calcined)
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .10
Stearate, ctns., c.l. lb. .35 - —
smaller lots lb. .36 - .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms., 1,000-lb. lots lb. .43 - —
100-lb. lots lb. .50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif ton. 67.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash ton. 33.00 - —
Maleic anhydride, dms., c.l., dlvd., l.c.l., dlvd. lb. .30 - —
lb. .31 - —
Prices on maleic anhydride West of Rockies 1½c. higher.
Malva flowers, black, bls lb. 1.00 - 1.25
Blue, bls. lb. .95 - 1.10
Leaves, bls. lb. .30 - .35
Mandrake root, bls lb. .40 - .43
Manganese acetate, bbls. lb. .32 - —
Arsenate, bgs. lb. .12 - .12¼
Borate, tech., bbls lb. .23 - —
Carbonate, bbls., works lb. .21 - —
Chloride, anhyd., dms., works lb. .20 - .22

How many ways do you use

Sodium Phosphates?

V-C Sodium Phosphates are widely used in the manufacture of cleansers and detergents, and in water treatment. But V-C Sodium Phosphates also have countless other uses which make them versatile, dependable "work horses" of the chemical industry. Produced from phosphoric acids, made from elemental phosphorus, they are of the highest purity.

V-C DSP

V-C Disodium Phosphate is employed by the textile industry in dyeing, scouring, kier-boiling and boiling-off operations. It serves as a plasticizer in processing cheese; and is used in tanning; in ceramic glazes; in metal treatment; and in emulsifying condensed milk. V-C DSP, in an exceptionally pure Drug Grade, is extensively used in pharmaceuticals.

V-C TSP

V-C Trisodium Phosphate is one of the most widely used emulsifiers and water softeners. It also has special utility in asphalt emulsions; fireproofing compositions with ammonium salts; photographic developers; and adhesives.

V-C TSPP

V-C Tetrasodium Pyrophosphate is used in textile and paper processing; in the manufacture of ceramics; as a buffer salt in cosmetics and food products; and as an ingredient of insecticides and ink eradicators.

V-C STPP

V-C Sodium Tripolyphosphate with its sequestration properties is used in drilling fluids for mud treatment; in cold-water paints of the casein-lithopone type; in cement to delay setting time; in cheese manufacture; in textile and leather processing; as a dispersing and peptizing agent in clay purification; and in laundry cleansers.

These are only a few of the many uses which have made V-C Sodium Phosphates famous for their quality and purity. V-C Sodium Phosphates are as close to you as your telephone. Place your order today for shipment by rail or water . . . or 48-hour truck delivery in Middle Atlantic and Southeastern states.

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Chemicals Division: *401 East Main St., Richmond 8, Virginia*

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85% N.F. Grade • 85% Technical Grade
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Sodium Tripolyphosphate
CALCIUM PHOSPHATES
Monocalcium Phosphate • Lucky Leaven® Phosphate
Phosphate Paste

VC CHEMICALS ®

Manganese dioxide, African, battery, 84-87%, bgs., 100 tons, works..ton. 78.00 - —
smaller lots, works..ton. 84.00 - 94.00
Gluconate, dms., cns ..... lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms lb. 4.15 - 4.60
Hydrate, bbls., works ..... lb. .34 - —
Hypophosphite, NF, dms ..... lb. 2.00 - —
Linoleate, liquid, 4.35% Mn, dms. lb. .39¼ - —
solid, precip. 8.2% Mn, bbls., lb. .41½ - —
Metal, cs., dlvd, East ..... lb. .50 - .32
Naphthenate, liquid, 6% Mn, dms., frt. and tp. .22¾ .23¼
Oleate, precip, bbls ..... lb. .33½ - —
Resinate, fused, 3½% Mn, dms. precip., dms ..... lb. .21½ - —
Stearate, ctns., c.l. ..... lb. .55 - —
smaller lots ..... lb. .56 .57
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd, S. E ..ton. 66.00 - —
l.c.l., dlvd, S. E ..ton. 73.00 - —
feed grade, 80%, bgs., dlvd., S. E ..lb. .05¼ - .07
75%, bgs., c.l., dlvd, S. E ..ton. 76.00 - —
l.c.l., dlvd, S. E ..ton. 83.00 - —
Tallate, liquid, 4% Mn, dms .. lb No prices.
solid, 8% Mn, dms .... lb. No prices.
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton. No stocks.
So. American, 30-32% tannin, c.l., ex dock..ton. 60.00 - 61.00
Manna, flake, large, cs ..... lb. 1.10 - 1.35
small, cs ..... lb. .85 - 1.00
Mannitol, com'l, dms., works..... lb .40 - .43
reagent, 50-lb. dms., works..... lb .85 - —
Marjoram, Argentine, bls..... lb. .14 Nom.
Bohemian, bls. ..... lb. .34 - .34½
Chilean, bls. ..... lb. .34 - .34½
French, bls ..... lb. .48 - .49
Peruvian, bls. ..... lb. .38 - .39
Matico leaves, bls ..... lb. .25 .33
Melamine, bgs. ton lots, works.. lb. .23 - —
500 lbs. or more, works ..... lb. .23½ - —
less 500 lbs., works ..... lb. .23½ - —
Menadione, USP, bots ..... gram .06½ - —
Menthol, natural, USP, bots..... lb. 12.25 - 12.50
synthetic, USP, racemic, cns.... lb. 7.25 Nom.
Menthyl salicylate, tins .. .. lb. 4.00 4.25
Mercaptobenzo thiazole, bgs., fib. dms., ton lots, works, frt. alld lb. .30 - —
less ton lots, same basis lb. .32 - —
Mercaptobenzothiazyldisulphide, bgs., fib. dms., ton lots, works, frt. alld lb. .38 - —
less ton lots, same basis lb. .40 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms. ..... lb. 2.13 - 2.15
Chloride (see Calomel).
Cyanide, NF, crystl., powd., fib. dms lb. 3.27 - 3.32
Iodide, red, NF, dms ..... lb. 4.07 - —
yellow, NF, fib. dms..... lb. 4.22 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
Yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms. ..... lb. 2.41 2.46
Mesityl oxide, dms., c.l., dlvd..lb. .13¼ - —
l.c.l., dlvd. ..... lb. .14 - —
tanks, dlvd ..... lb. .11½ - —
Metaldehyde, dms., works..... lb. .78 - 1.00
Metachloraniline, dms., works ... lb. .75 - —
Metacresol, 98%, dms., c.l., works. lb. .55 - —
l.c.l., works ..... lb. .56 - —
Metaparaisopropylphenol, dms., c.l. lb. .21 - —
l.c.l. ..... lb. .22 - —
tanks ..... lb. .20 - —
Metanitroparatoluidin, bbls..... lb. 1.28 - —
Metaphenylenediamine, kgs..... lb. .84 - —
Metatoluidine, bbls works .... lb. .80 - —
Metatolylenediamine, kgs..... lb. .85 - .94
Methanol, natural, denaturing grade, dms., c.l., frt. alld.. gal. .68 - —
l.c.l., frt. alld..... gal. .79 - —
tanks, frt. alld..... gal. .60 - —
Prices on natural methanol W of Miss 3c higher
synthetic, zone 1, dms., c.l., frt. alld gal. .38 - —
l.c.l., frt alld..... gal. .41 - .43
tanks, frt. alld ..... gal. .26 - —
zone 2, dms., c.l., frt. alld.. gal. .43½ - .45
l.c.l., ex whse..... gal. .46½ - —
tanks, frt. alld ..... gal. .29½ .31
Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., frt. alld., 50-lb. or more lb. 4.55 - —
feed grade, 98%, same basis, lb. 3.00 - —
97%, same basis ..... lb. 2.97 - —
Methoxychlor, 50% sol., dealers, dms., cs., works..lb. .65 - —
Methyl abietate non-ret. dms., c.l., dlvd., zone 1 lb. .17 - —
l.c.l. same basis lb. .17½ - —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb. .17¼ - —
l.c.l. same basis lb. .17¾ - —
Zone 1 includes New England and Middle Atlantic states, Va., W Va., N C., Ohio., Ky., Mich., Ind. Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S C. and Tenn.
Acetoacetate, dms., c.l., dlvd..lb. .53 - —
l.c.l., dlvd ..... lb. .54 - —
tanks, dlvd ..... lb. .51½ - —
Methyl acetoacetate prices frt. alld W. ½c higher
Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld gal. .60 - —
l.c.l., same basis ... gal .71 - —
Natural methyl acetone group A prices W of Miss 3c per gal higher
Group B dms., incl., E. Miss., frt alld., any quantity gal. .50 - —
synthetic, dms., c.l., works, frt. alld. E gal. .53 - —
frt. alld. W ..... gal .57 - —
l.c.l., works, frt. alld. E gal. .56½ - —
frt. alld W ..... gal. .60½ - —
tanks, works, frt. alld. E gal. .43½ - —
frt alld W ..... gal. .47 - —
Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.
Acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload, works lb. .50½ - —
Alconol (see Methanol)
Anthranilate, cns., 100 lbs. or more lb. 2.10 - 2.90
extra cns. ..... lb. 4.00 - 4.40
Benzoate, cns ..... lb. .55 - 1.20
Bromide, dealers, cns..... lb. .69 - .71
cyls ..... lb .60 .73
Chloride, indust., cyl., works. lb. .18 - —
tanks, multi-unit, works... lb. .12½ - —
single-unit works ..... lb. .11 - —
refrigerator mfrs. cyls. dlvd lb. .39 - .48
other consumers or service men, cyls., dlvd lb. .49 - —
Cinnamate, cns. ..... lb. 1.43 - 1.75
Cyclohexanol, dms., c.l., works lb. .25½ - —
l.c.l., works ..... lb. .26½ - —
tanks, works ..... lb. .24½ - —

Methyl formate, refd., dms .... lb. .35 - .40
tech., non-ret. dms., any quantity, works lb. .68 - —
tanks, works ..... lb .07 - —
Iodide, bots., works ..... lb 3.65 4.78
cbys., works ..... lb 2.80 3.00
Lactate, dms., t.c.l., works lb .33 - —
Methacrylate, dms., c.l. and truckload, works lb. .44½ - —
less than truckload, works lb. .45 - —
Parahydroxybenzoate, USP, bots. lb 2.10 2.20
fib. dms. ..... lb 1.90 2.00
Roseanilin chloride, USP bot. lb 5.17 - 5.27
Salicylate, USP, dms., 500 lbs lb. .42 - —
cans, 25-50 lbs ..... lb. .47 - .50
Testosterone, USP, 100 gms gm 3.50 - —
Methylheptin carbonate, bots lb. 35.00 - 50.00
Methylal, refined, 95% dms., c.l., works lb. .11 - —
l.c.l. works ..... lb .12 - —
tanks, works ..... lb .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .14¼ - —
l.c.l., dlvd ..... lb. .15¼ - —
tanks, dlvd ..... lb. .12½ - —
Ketone, dms., works ..... lb. 1.05 - —
Methylcellulose special vis., (4,000 cps.), fib. ctns., c.l., works, lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld on 100 lbs lb. .75 - .87
standard vis. (15-1,500 cps.), fib. ctns., c.l., frt. alld lb. .61 - —
2,000 lbs. and more, same basis lb .63 - —
smaller lots, frt alld on 100 lbs lb. .68 - .70

Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 2.87 - —
smaller lots kgs. same basis lb ¾ 02 - ¾ 22
Chloride indust. dms., c.l. dlvd. E lb. .12 - —
c.c.l. dlvd E ..... lb 13½ - —
tanks dlvd E ..... lb 11½ - —
Methylethyl ketone, dms., c.l., dlvd. lb. .10¾ - .11¾
l.c.l., dlvd ..... lb. .11½ - .12½
tanks, dlvd ..... lb. .09 - .10
Methylionone, A, cns ..... lb 6.55 8.80
D, cns ..... lb 7.50 9.55
prime, cns ..... lb 4.55 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd ..... lb. .12¾ - .13¾
l.c.l., dlvd ..... lb. .13½ - .14½
tanks, dlvd ..... lb. .11 - .12
Methylnaphthyl ketone, cns ... lb 3.00 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylphenylpyrazolone dms. dlvd. lb. 1.40 - 1.45
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. 03⅞ - —
roofing, 20 to 80 mesh, works. lb 03¾ - —
wet-grd., biotite, bgs. c.l., works, frt. alld., E lb. .05¾ - —
t.c.l., ex whse., or frt alld. E lb. .06½ - —
extra fine, bgs., c.l. works, frt. alld., E lb. .05¾ - —
t.c.l., ex whse. or frt. alld. E lb. .06½ - —
paint or lacq., bgs. c.l., works, frt. alld., E lb. .07¼ - —
t.c.l., ex whse. or frt. alld. E lb. .08 - —

Mica, wet-grd., rubber, bgs., c.l., works, frt. alld, E lb. .07 - —
t.c.l. ex whse or frt alld. E lb. .07¾ - —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼ - —
t.c.l. ex whse or frt alld. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07½ - —
t.c.l., ex whse or frt alld E lb .08 - —
Mica, wet-grd., W of Miss R. ½c higher, W of Rockies 1c. higher
Milk powder, skimmed, roller bbls., c.l lb. .10½ .10⅝
spray, bbls., c.l ..... lb 12¼ .12¾
Whole, roller bbls., c.l..... lb 26 .33
spray, bbls., c.l. ..... lb .28½ .35½
Sugar, crude, bgs., c.l., works lb 16½ - —
edible, bbls., works, 30,000-lb. lots lb 22 - —
2,000-lb. lots lb 22¾ - —
200-1,800-lb lots lb 23¼ - —
USP, bbls., works, 30,000-lb. lots lb. .26 - —
2,000-lb. lots lb 26¾ - —
200-1,800-lb lots lb 27¼ - —
Molasses, blackstrap, tanks.... gal. .15 Nom.
New Orleans, tanks ..... gal. .13 Nom.
Molybdate orange (see Orange molybdate)
Mineral spirits (see Petroleum mineral spirits).
Molybdenum metal 90% Mo., powd., kgs lb 2.60 3.00
pure, kgs., works, basis Mo. content lb 90 —
technical, kgs., works, basis Mo. content lb 80 —

EASTMAN
INDUSTRIAL
CHEMICALS

ACETIC ACID
• Organic Synthesis
• Reaction medium and solvent
• Dyeing assistant

ACETIC ANHYDRIDE
• Acetylating Agent
• Dehydrating agent in nitration and sulfonation reactions, etc.

BUTYRIC ACID
• For the preparation of butyric esters useful in formulating perfumes and flavorings.

CROTONIC ACID
• A reactive chemical for the preparation of derivatives useful as plasticizers, polymers and copolymers, flavorings, perfumes and chemical intermediates.

Tennessee Eastman Corporation
(Subsidiary of Eastman Kodak Company)
KINGSPORT, TENNESSEE

REPRESENTATIVES: New York—10 E. 40th St.; Cleveland—Terminal Tower Bldg.; Chicago—360 N. Michigan Ave. West Coast: Wilson & Geo. Meyer & Co., San Francisco — 333 Montgomery St.; Los Angeles — 4800 District Blvd.; Portland — 520 S.W. Sixth Ave.; Seattle — 1020 Fourth Ave., So.

Monochlorobenzene—Oil, Coriander

Monochlorobenzene, dms., c.l., frt. alld. as dlvd.	lb.	.08½-	—
l.c.l., same basis	lb.	.09½-	—
tanks, same basis	lb.	.07 -	—
Monochlorobenzene prices in the West, 1¾c. higher.			
Monoethanolamine, dms., c.l., frt. alld. E	lb.	.27 -	—
l.c.l., same basis	lb.	.28 -	—
tanks, same basis	lb.	.25½-	—
Monoethylamine, dms., c.l., frt. alld. E., basis 100%	lb.	.21¾-	—
l.c.l., same basis	lb.	.22¾-	—
tanks, same basis	lb.	.20 -	—
Monoisopropylamine, dms., c.l., frt. alld. E	lb.	.24¼-	.25¼
l.c.l., same basis	lb.	.25¼-	.26¼
tanks, same basis	lb.	.22½-	.23½
Monomethylamine, 25%-40%, dms., c.l., works, basis 100%	lb.	.33 -	—
l.c.l., same basis	lb.	.35½-	.36
tanks, same basis	lb.	.31 -	—
Monononylnaphthalene, dms., c.l., works	lb.	.14 -	—
l.c.l., works	lb.	.15 -	—
tanks, works	lb.	.13 -	—
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).			
Monosodium glutamate (see Sodium glutamate, monobasic).			
Phosphate (see Sodium phosphate, monobasic).			
Monotertiarybutylmetacresol, dms., c.l., works	lb.	.50 -	—
l.c.l., works	lb.	.51 -	—
tanks, works	lb.	.49 -	—
Morphine, cns.	oz.	12.40	-12.60
Acetate, cns.	oz	9.85	9.90
Hydrobromide, cns.	oz.	9.80	- 9.90
Hydrochloride, NF, cns	oz.	9.90	10.00
Sulphate, USP, cns	oz.	9.90	-10.00
Morpholine, dms., c.l., works	lb.	.60½-	—
l.c.l., works	lb.	61 -	—
tanks, works	lb.	.59 -	—
Mountain ash berries, bgs	lb.	65 -	.75
Mullein flowers, cs	lb.	1.15 -	1.20
Leaves, bls.	lb.	.16 -	.18
Musk, natural, Tonquin, grains, bots.	oz.	25.00	-30.00
synthetic—Ambrette, 100 lbs., fib. dms.	lb.	5.40 -	—
25 lbs., cns	lb.	5.50 -	—
5 lbs., cns	lb.	5.65 -	—
Ketone, 100 lbs., fib. dms	lb.	4.95 -	—
25 lbs., cns	lb.	5.05 -	—
5 lbs., cns	lb.	5.20 -	—
Xylol, 100 lbs., fib. dms	lb.	1.40 -	—
25 lbs., cns	lb.	1.45 -	—
5 lbs., cns	lb.	1.55 -	—
Musk root, bls	lb	No prices.	
Mustard seed, Calif., brown, bgs., f.o.b. source	lb.	.07¼-	.07½
Dutch, yellow, bgs., futures	lb.	.13 -	.13½
English, yellow, bgs	lb.	.13 -	.13½
Montana, brown, Sept.-Oct., bgs., source	lb.	.05 -	.05½
Oriental, Sept.-Oct., bgs., source	lb.	.05 -	.05¼
yellow, Sept.-Oct., bgs. source	lb.	.08½-	.09
Washington, yellow, source, bgs.	lb.	.11 -	.11½
Myrobalans, J1, assorted, ex dock.	ton.	52.00	- —
crushed, ex dock	ton.	76.50	- —
J2, ex dock	ton.	42.00	- —

N

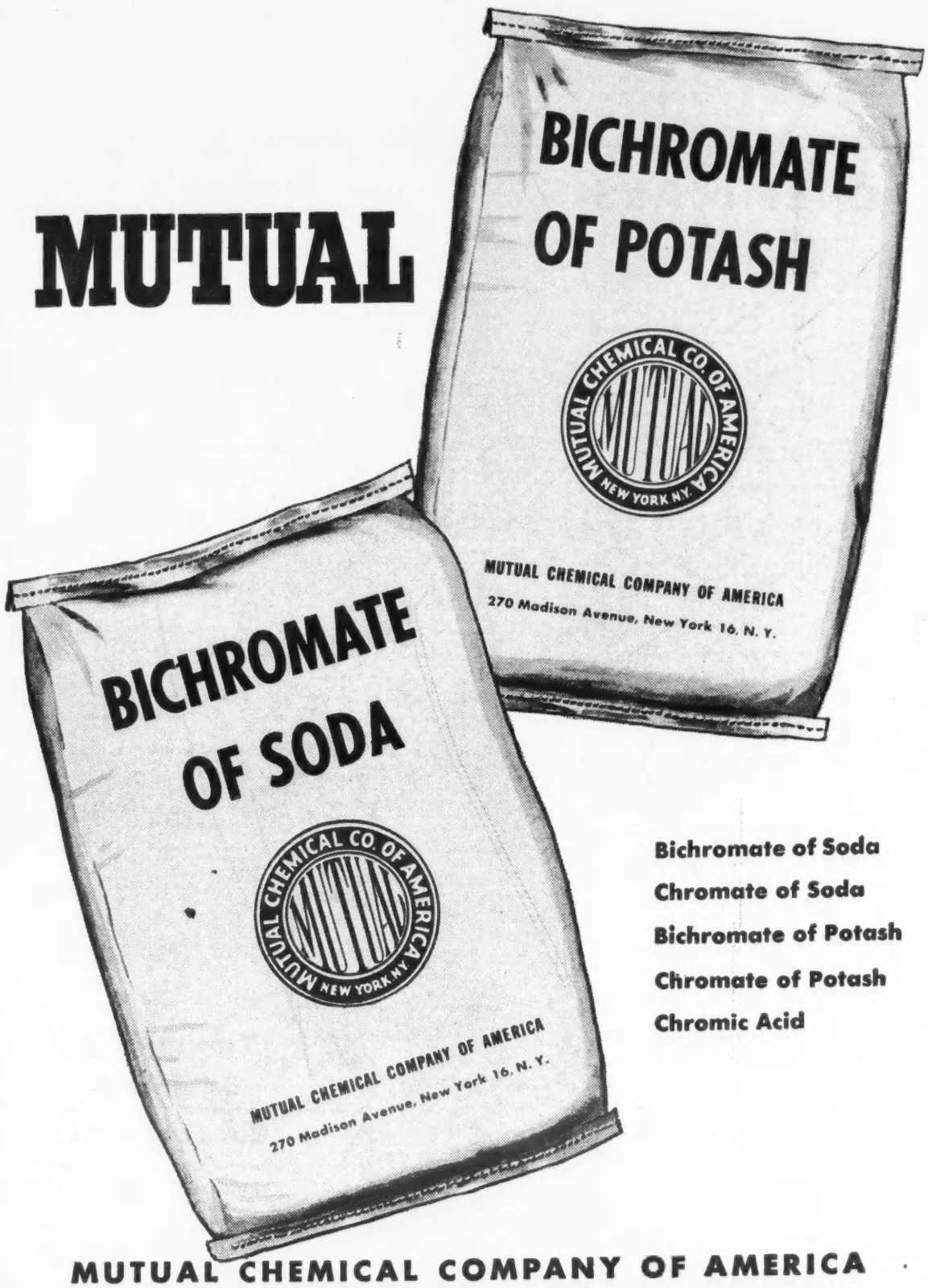
Naphtha, painters (see Petroleum naphtha, V. M. & P.).			
Solvent (see S).			
Naphthalene, dom., crude, 74° bgs., bbls., works, c.l., frt. equald.	lb.	.07 -	—
tanks, same basis	lb.	.0425-	—
70°, bgs., bbls., c.l., works, frt. equald.	lb.	.0535-	—
l.c.l., same basis	lb.	.0560-	—
dms., c.l., same basis	lb.	.0650-	—
l.c.l., same basis	lb.	.07 -	—
tanks, same basis	lb.	.0475-	—
refined, industrial, bbls., c.l., frt. equald.	lb.	.09 -	—
bgs., c.l., same basis	lb.	.08½-	—
tanks, same basis	lb.	.08 -	—
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis	lb.	.11 -	—
cs., 50 lbs., c.l., same basis	lb.	.11¼-	—
1-lb. pkgs., c.l., same basis	lb.	.14 -	—
imported, crude, 78°, 100-ton lots	lb.	.03¼-	—
refined, 30,000-lb. lots	lb.	.09½-	—
smaller lots	lb.	.09¼-	.10½
Neocinchophen, USP, dms., frt. adjusted	lb.	7.00 -	7.35
Nephelin syenite, glass, 24 mesh, bulk, Rochester, N. Y	ton.	14.25 -	—
pottery, 200 mesh, bulk, Rochester, N. Y	ton.	18.25 -	—
Nephelin syenite in bgs., $3 per ton higher than bulk.			
Nerolin, cns.	lb.	2.05 -	2.25
Niacin (see Acid, nicotinic).			
Niacinamide (see Nicotinamide).			
Nickel acetate, bbls., dlvd.	lb.	.52½-	.53½
Carbonate, bbls., dlvd.	lb.	.57¼-	.57¾
Chloride, bbls., dlvd.	lb.	.27 -	.27½
Cyanide, bots., dms.	lb.	1.75 -	2.00
Formate, bbls., ton lots, frt. alld.	lb.	.49¾-	.50¾
Metal, electro cathodes, cs.	lb.	.48 -	—
Nitrate, bbls., works	lb.	.26½-	.27½
Oxide, black, bbls	lb.	.42 -	—
Sulphate, bgs., c.l., dlvd.	lb.	.20 -	—
l.c.l., dlvd	lb.	.20½-	—
Nicotinamide, USP, dms., frt. adjusted	kilo	11.00	-11.30
Hydrochloride, dms., frt. adjusted	kilo.	10.50	-10.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs.,	dm.	49.40	- —
tins, 10 lbs., dealers, frt. alld. on cases of 6	tin.	10.85	- —
Nikethamide, bots., cbys.	lb.	5.60	- 5.75
Nitercake, bulk, works	ton	No stocks.	
Nitrobenzene, dbl. dist., dms., c.l	lb.	.09	.09½
l.c.l.	lb.	.10 -	.11
tanks	lb.	.08 -	.08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works	lb.	.28 -	—
l.c.l., same basis	lb.	.29 -	.31
18-25 cps., c.l.	lb.	.30 -	—
l.c.l., same basis	lb.	.31 -	.33
250-400, 600-1,000 secs., c.l., same basis	lb.	.32 -	—
l.c.l., same basis	lb.	.33 -	.35
spirit soluble, 30-35 cps., ¼, ½ sec., c.l., same basis	lb.	.35 -	—
l.c.l., same basis	lb.	.36 -	.38
5-6, 40-60 secs., c.l., same basis.	lb.	.34 -	—
l.c.l., same basis	lb.	.35 -	.37

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.

Nitroethane, dms., works	lb.	.30 -	—
Nitrogen solution, tanks, work., N.	ton.	115.00 -	—
Nitrogenous process tankage, bulk, works, ammo., ship't unit-ton.		3.90 -	4.00
Sewage sludge, bulk, works, unit	ton.	3.25 +	.40
Nitromethane, dms., l.c.l., works	lb.	.30 -	—
Nitropropane, 1, dms., works	lb.	.30 -	—
2, dms., works	lb.	.30 -	—
Nonylphenol, dms., c.l., works	lb.	.26 -	—
l.c.l., works	lb.	.27 -	—
tanks, works	lb.	.25 -	—
Nutgalls, Aleppo, bgs	lb.	.38 -	—
Chinese, bgs.	lb.	.32 -	—
Istrian, bgs	lb.	.31 -	—
Nutmeg, East Indian, broken, limed. bgs.	lb.	.51 -	.52
whole, shrivels, bgs	lb.	.51 -	.52
110's, cs.	lb.	.53 -	.54
shipment, cs.	lb.	.50 -	.50½
West Indian, bgs	lb.	.36 -	.37
futures	lb.	.37 -	.38
Nux vomica, bls.	lb	.10 -	.12
powdered, bbls., bxs	lb.	.13 -	.14

O

Oakbark extract, 25% tannin, bbls., c.l., works	lb.	No stocks	
Octane, 100°-140° C, industrial grade, group 3, dms., c.l	gal.	.19 -	—
l.c.l.	gal.	.21 -	.60
tanks	gal.	.15½-	—
10°C., b.r. Bayonne, N.J., tanks	gal.	.16½-	—
Octanol, normal, tech., dms., c.l., dlvd	lb.	.34½-	—
l.c.l., dlvd	lb.	.36½-	—
tanks, dlvd	lb.	.32 -	—
Octyl methacrylate, normal, dms., less than truckload, works.	lb.	.83 -	—
Oil, abies siberica, cns.	lb.	2.85 -	3.25
Almond, artificial, bitter, (see Benzaldehyde)			
natural, bitter, F.P.A., bots	lb.	3.25 -	5.00
NF, bots.	lb.	3.00 -	3.65
sweet, dms., cns	lb.	.55 -	.85
Allspice (see Oil, pimento).			
Amyris, dms	lb.	1.65 -	1.70
Angelica root, bots	lb.	110.00 -	190.00
seed, bots	lb.	100.00 -	—
Anilin (see A).			
Anise, USP, Chinese, dms	lb.	1.15 -	1.25
Apricot kernels, USP, dms	lb.	.42½-	.58
Avocado, cns., dms	lb.	1.00	1.10
Babassu, crude, tankcars	lb.	.18½-	—
Bay, NF, Puerto Rican, 50-55%, cns	lb.	1.05 -	1.50
55-60%, cns	lb.	1.20 -	1.50
West Indian, 50-55%, cns., dms	lb.	1.12 -	1.15
Bergamot, artif., cns	lb.	1.50 -	3.50
natural, NF, Italian, cns		4.45 -	5.00
Birchtar, crude, cns	lb.	80 -	1.76
rectified, NF, cns	lb.	3.95 -	4.25
Bois de rose, Brazil	lb.	3.50 -	3.90
Mexican (see Oil, lignaloe wood).			
Bone, dms., works	gal.	.65 -	.70
Cajeput, tech., dms	lb.	1.85 -	1.95
redistilled, USP, cns	lb.	2.35 -	4.50
Calamus, cns	lb	20.00	-28.00
Camphor, sassafrassy, dms	lb.	.20 -	.60
white, dms.	lb.	.23 -	.60
Cananga, native, cns	lb.	4.25 -	4.80
rectified, cns.	lb.	5.05 -	6.00
Capsicum (see Capsicum oleoresin)			
Caraway, NF, cns	lb.	3.10 -	4.00
Cardamom, NF, bots	lb.	52.00	-55.00
Cassia, USP, cns	lb.	3.15	Nom.
Castor, blown, dms., c.l.	lb.	.21¾-	—
dms., l.c.l.	lb.	.22¼-	—
dehydrated, bodied, dms., c.l	lb.	.23½-	—
l.c.l.	lb.	.24 -	—
tanks	lb.	.22½-	—
unbodied, dms., c.l.	lb.	.22½-	—
l.c.l.	lb.	.23 -	—
tanks	lb.	.21½-	—
hydrogenated, dms., c.l., works	lb.	.27 -	—
l.c.l., same basis	lb.	.28 -	—
No. 3, tech., dms., c.l.	lb.	.19 -	—
l.c.l.	lb.	.19½-	—
tanks	lb.	.18 -	—
Sulphonated, 50% (48% fat), dms.	lb.	.12 -	.14
75% (60-62% fat), dms	lb.	.15¾-	.16¾
tech., No. 1, Brazilian, tanks	lb.	.16 -	.16¼
USP, standard, dms., c.l.	lb.	.19¾-	—
l.c.l.	lb.	.20¼-	—
tanks	lb.	.18¾-	—
refined and deodorized, dms., c.l.	lb.	.21 -	—
l.c.l.	lb.	.21¾-	—
Cedarleaf, dms	lb.	1.85 -	2.20
Cedarwood, cns.	lb.	.45 -	.55
dms.	lb	32 -	50
Celeryseed, bots	lb.	15.75	-17.50
Chaulmoogra, NF, cns., dms	lb.	.55	70
Chinawood (see Oil, tung)			
Cinnamon bark, USP, bots	lb.	20.00	-60.00
Leaf, Ceylon	lb.	1.35 -	1.50
Citronella, Ceylon, cns.	lb.	1.15 -	1.50
Java-type, cns.	lb.	1.60 -	2.10
Clove, USP from buds, cns., dms.	lb.	1.70 -	1.85
Coconut, crude, tanks, Atlantic ports	lb.	.16½-	—
Pac. Coast	lb.	.15½-	.15¾
refined, Cochin type, tax incl., dms., l.c.l	lb.	.23¼-	—
deodorized, tax incl., dms., l.c.l.	lb.	.25½-	—
Cod, Newfoundland, dms	lb.	.08 -	.09
Codliver, USP, dms	gal.	1.40 -	1.55
Coriander, USP, bots	lb.	19.00	-26.50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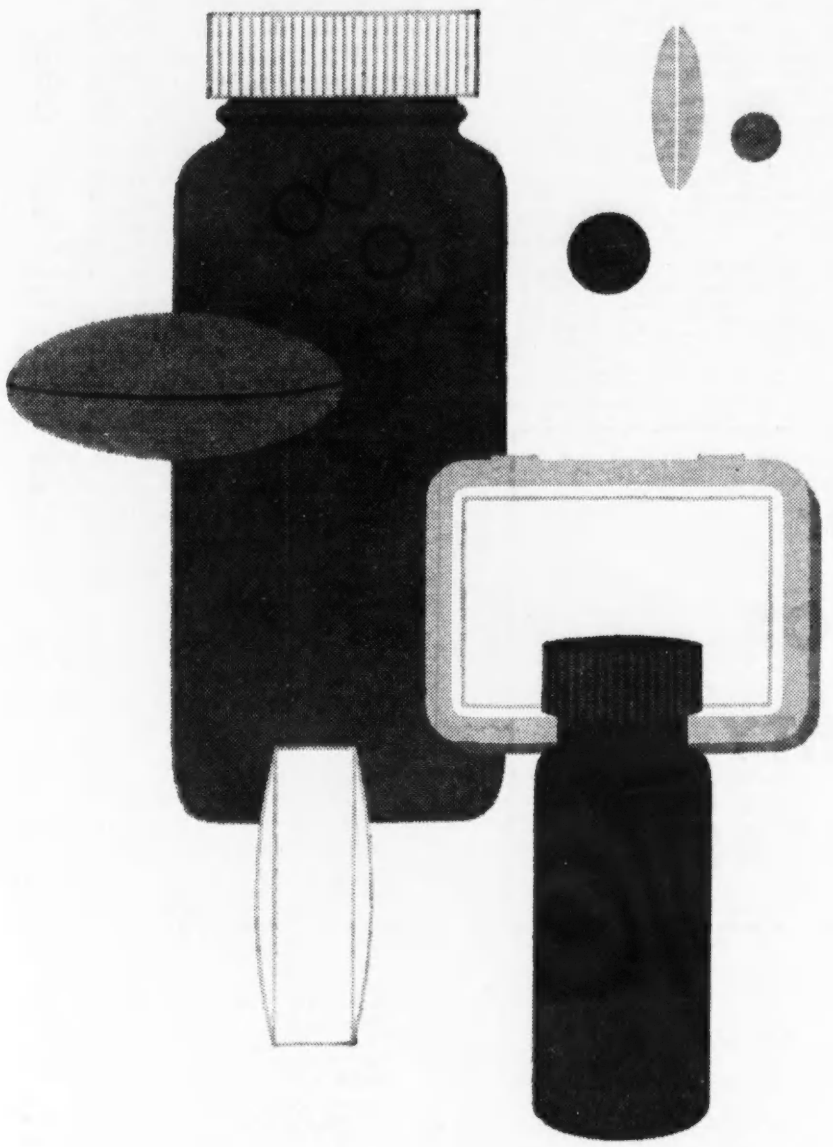

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Oil, Corn—Oil, Turpentine, NF

Oil, corn, crude, tanks, works....lb. .17 - —
foots, acid, 95%, tanks, dlvd. E lb. .06 - —
raw, 50%, tanks, dlvd. E lb. .02 - —
refined, dms., New York....lb. .21¾- .22
tanks, same basis.....lb. .20¼- —
Costus, bots.....oz.21.00 - —
Cottonseed, crude, tanks, South-east and Valley lb. .17¾- —
foots, acid 95%, tanks, dlvd. E lb. .04½- —
raw, 50%, tanks, dlvd. E lb. .02 - —
refined, dms.....lb. .24 - —
tankcars .....lb. .22½- —
Creosote (see Creosote, coaltar).
Croton, cns.....lb. 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns.....lb. 6.00 - 7.50
Cumin, bots.....lb. 4.50 - —
Cypress, bots.....lb.11.00 -15.00
Degras (see D).
Dillseed, India, bots.....lb. 6.25 - 7.75
Dillweed, domestic, bots., dms..lb. 5.00 - 6.00
Dip (see D).
Erigeron, cns.....lb. 5.75 - 6.00
Eucalyptus, rectified, 80-90%, cns. lb. .65 - .96
70-80%, cns. .....lb. .55 - .83
Fennel, USP, cns.....lb. 2.45 - 3.25
Fir, Canada, cns.....lb. 1.75 - 2.15
Fishliver, crude, for feeds for centrating, 6,000 to 12,000 A units, dms..... 1,000,000 units. .09 - —
15,000 to 20,000 A units, dms. 1,000,000 units. .09½- —
25,000 to 35,000 A units, dms. 1,000,000 units. .10 - —
40,000 to 55,000 A units, dms. 1,000,000 units. .10½- —
Market prices on crude fishliver oil dependent upon conversion factor.

Oil, fishliver, prime, natural, or concentrate, 100,000 A units, dms., 1,000,000 units. .15 - —
200,000 A units, dms..... 1,000,000 units. .16 - —
300,000 A units, dms..... 1,000,000 units. .16 - —
400,000 A units, dms..... 1,000,000 units. .17 - —
500,000 A units, dms..... 1,000,000 units. .17 - —
700,000 A units, dms..... 1,000,000 units. .17 - —

Prices above are based on the USP XIII method of conversion, E x 1894.

100,000 A units, dms..... 1,000,000 units. .16 - —
200,000 A units, dms..... 1,000,000 units. .17 - —
300,000 A units, dms..... 1,000,000 units. .17 - —
400,000 A units, dms..... 1,000,000 units. .18 - —
500,000 A units, dms..... 1,000,000 units. .18 - —
700,000 A units, dms..... 1,000,000 units. .18 - —

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots.....oz. 7.25 - 8.00
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.18.00 -21.00
Bourbon, cns. .....lb.20.00 -24.00
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.22.00 -23.50
Grapefruit, dist., bots.....lb. .60 - .90

Oil, grease, No. 1, dms.....lb. .14½- .14¾
extra, Winter, strained, dms lb. .15¾- .16¼
prime, burning, dms.....lb. .16¾- .17¼
Guaiacwood, cns.....lb. 1.75 - 1.90
Hemlock, cns.....lb. 1.80 - 2.10
Herring, crude, tanks, Pac. coast. lb. No prices.
Juniper berry, NF VIII, bots. lb. 3.00 - 3.25
twice rectified .....lb. 3.50 - 7.00
Tar, USP (see Juniper tar).
Wood, tech., cns.....lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots. .....lb 9.75 -12.50
Lavandin, cns.....lb. 1.35 - 1.85
Lavender flower, French, 30-32% ester, cns..lb. 2.25 - 3.25
38-42% ester, cns.....lb. 3.15 - 4.10
40-42% ester, cns.....lb. 3.50 - 4.75
Spike, Spanish, cns.....lb. 1.10 - 1.40
Lemon, USP, Calif., cns., dms..lb. 3.35 - 3.75
Messina .....lb. 3.35 - 6.50
terpeneless, bots. .....lb.32.00 -65.00
Lemongrass, cns., dms.....lb. 1.70 - 2.30
Lignaloe, Brazilian (see Oil, bois de rose).
wood, Mexican, cns.....lb. 3.50 - —
Lime, distilled, Mexican, cns..lb. 6.00 - 7.00
West Indian, cns .....lb. 6.50 - 7.25
expressed, West Indian, cns..lb. 7.25 -13.75
terpeneless, bot .....lb.45.00 -65.00
Linseed, raw, dms., c.l., Zone 3. lb. .1870- —
l.c.l. .....lb. .1930- .1990
tankcars .....lb. .1750- —
tankwagon .....lb. .1780- —
Boiled linseed oil .007 higher than raw.
Mace, dist., cns., dms.....lb. 3.20 - 4.00
Mandarin, Floridian, dms.....lb. 1.60 - 1.75
Italian, cns. .....lb. 4.80 - 8.50
Menhaden, crude, tanks, Balto..lb. .10 - —
refined, alkali, dms.....lb. .1580- —
kettle-bodied, dms.....lb. .1680- —
light-pressed, dms.....lb. .1480- —
tanks .....lb. .1300- —

Oil, mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, expressed, dms..lb. .22½- .23
synthetic, cns., dms.....lb. 1.40 - 1.70
Neatsfoot, 15°, dms.....lb. .23 - .23½
20°, dms. .....lb. .27 - .27½
30°, dms. .....lb. .25 - .26
Neroli, NF, French, bots.....oz.125.00 -195.00
Haitian, bots.....lb.85.00 -90.00
Niaouli, cns. .....lb. 1.95 - 3.00
Nutmeg, USP, dist., East Indian, cns., dms..lb. 3.10 - 3.75
West Indian, cns., dms..lb. 3.35 - 3.60
Ocotea cymbarum, dms.....lb. .66 - .90
Oiticica, liquid, drums.....lb. .20½- .21
tankcars .....lb. .19½- —
Oleo, extra, dms.....lb. .16½ Nom.
Olibanum, bots.....lb. 5.50 - 7.65
extra fine, bots.....lb. 6.25 - 9.50
Olive, commercial, dms.....gal. 2.00 - 2.25
edible, dms., duty paid....gal. 2.50 - 3.00
foots, dms.....lb. .13½- .14
Orange, sweet, dist., cns .....lb. .25 - .60
expressed, USP, Brazilian, cns., dms lb. .95 - 1.25
Calif., cns.....lb. .55 - 1.00
Florida, cns., dms.....lb. .40 - 1.00
Messina, coppers.....lb. 2.90 - 5.50
West Indian, cns.....lb. 2.00 - 2.50
sesquiterpeneless, bots.....lb.55.00 -95.00
Origanum, Spanish, cs.....lb. 2.30 - 2.75
Palm, Congo, dms.....lb. .1375- —
tankcars .....lb. No stocks.
Palmarosa, cns.....lb. 7.25 - 8.00
Palmkernel, crude, bulk, c.i.f. NY..lb. No prices.
Paraffin, pale, 100-110 vis. at 100° F, tanks, East Coast refinery. gal. .11½- —
Patchouli, dms.....lb.20.00 -24.00
Peach kernel, USP (see Oil, apricot kernel).
Peanut, crude, tanks, Southeast. lb. .20 - —
refined, dms.....lb. .26 Nom.
tanks, New York.....lb. .24 Nom.
Pennyroyal, USP, dom., cns..lb. No stocks.
imported, cns. .....lb. 4.30 - 4.75
Peppermint, natural, dms.....lb. 6.10 - 7.25
redist., USP, dms.....lb. 6.45 - 7.65
Persic, USP (see Oil, apricot kernel).
Perilla, crude, dms.....lb. No stocks.
Petitgrain, Paraguay, cns.....lb. 1.85 - 2.25
Pimento berry, NF, dms.....lb. 3.85 - 5.75
leaf, cns.....lb. 1.30 - 1.60
Pine, dest.-dist., dms., incl., c.l., works, South gal. .60 - —
l.c.l., works, South gal. .61 - —
ex whse., N. Y. C..lb. .72 - —
steam-dist., dms., ex whse., non-ret. dms., incl., l.c.l., ex whse., N.Y.C..lb. .107 - —
Pineneedle, Siberian (See Oil, abies siberica).
Putty, petroleum, dms., c.l., dlvd. lb. .11 - —
l.c.l., same basis.....lb. .12 - —
tanks, same basis.....lb. .10 - —
Rapeseed, tankcars.....lb. .15½- .16
Red, saponified, dms.....lb. .16¾- .18
tanks .....lb. .15¼- —
single dist., dms.....lb. .17½- .18¾
tanks .....lb. .16 - —
double dist., dms.....lb. .20 - .21¼
tanks .....lb. .18½- —
Rice bran, clarif., dms.....lb. .15 Nom.
Rose, natural, Bulgarian, bots. oz.24.00 -56.00
Rosemary, Spanish, tech., cns., dms..lb. .80 - 1.50
USP, cns., dms.....lb. .90 - 1.25
Rue, bots.....lb. 2.50 - 3.00
Safflower, dms., l.c.l.....lb. .1825- —
tanks .....lb. .1550 Nom.
Sage, clary, bots.....lb.12.50 -19.00
Dalmatian, cns. .....lb. 6.00 - 7.00
Spanish, cns. .....lb. 1.00 - 2.00
Sandalwood, NF, cns.....lb.11.75 -12.50
Sardine, crude, tanks, Pac. coast. lb. .10 - —
refined, alkali, dms.....lb. .1580- —
kettle-bodied, dms.....lb. .1680- —
light-pressed, dms.....lb. .1480- —
tanks .....lb. .13 - —
Sassafras, artificial.....lb. .52 - .78
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP, cns., dms..lb. 1.90 - 2.30
Savin, cns.....lb. 2.75 - 3.00
Savory, cns.....lb. 8.00 - —
Seal, 2% acid, duty extra, dms lb. No stocks.
Sesame, ref., dms., l.c.l.....lb. .31 - —
Shingle stain, bbls., c.l., works, gal. .27 - —
l.c.l., works.....gal. .30 - —
tanks, works.....gal. .19 - —
Snakeroot, Canada, cns.....lb.19.25 -25.00
Soybean, crude, tanks, mills....lb. .14¼- —
foots, acid, 95% tanks, dlvd. E..lb. .07 - —
raw, 50% tanks, dlvd. E..lb. .03 - —
refined, alkali, dms., c.l.....lb. .1785- —
l.c.l. .....lb. .1845- .1885
tanks .....lb. .1665- —
clarified, dms., c.l.....lb. .1690- —
l.c.l. .....lb. .1755- .1795
tanks .....lb. .1575- —
edible, dms.....lb. .18¾- .19
tanks .....lb. .17¼- —
Spearmint, USP, dms.....lb. 3.25 - 3.40
Sperm, bleached, winter, 45°, dms..lb. .1520- .1570
tankcars .....lb. .1420- —
natural, winter, 45°, dms....lb. .14 - .1470
tankcars .....lb. .13 - —
Spruce, cns., dms.....lb. 1.80 - 2.10
Sunflower-seed, imp., refined, tanks. lb. No prices.
semi-refined, tanks .....lb. No prices.
Sweet birch, USP, Northern, cns. lb. 4.75 - 8.00
Southern, cns.....lb. 2.05 - 3.75
Tall, crude, tanks, works.....ton.40.00 - —
refined, dms., c.l., works....lb. .06 - —
l.c.l., works.....lb. .06¼- —
tanks, works .....lb. .05 - —
Tallow, acidless, dms.....lb. .14¾ Nom.
Tansy, dms.....lb. 7.75 - 9.00
Tar, pine, coml, dms., incl., c.l., works, South..lb. .045 - —
l.c.l., works, South....lb. .0473- —
whse., N.Y.C.....lb. .0595- —
tanks, works, South....lb. .035 - —
rectified, (NF), c.l., dms., incl., works, South. gal. .60 - —
Tar acid (see T).
Teaseed, dms. .....lb. No stocks.
Theobroma (see Cocoa butter).
Thyme, NF, red, cns., dms....lb. 1.50 - 2.10
white, cns.....lb. 1.75 - 2.35
technical, white, cns.....lb. .40 - 5.00
Tung, dom., tanks, mills.....lb. .24½ Nom.
imported, dms., c.l.....lb. .26¼- —
l.c.l. .....lb. .26¾- —
tanks .....lb. .25¼- —
Turkey red (see Oil, castor, sulphonated)
Turpentine, NF, cns., dms....lb. .21 - .36

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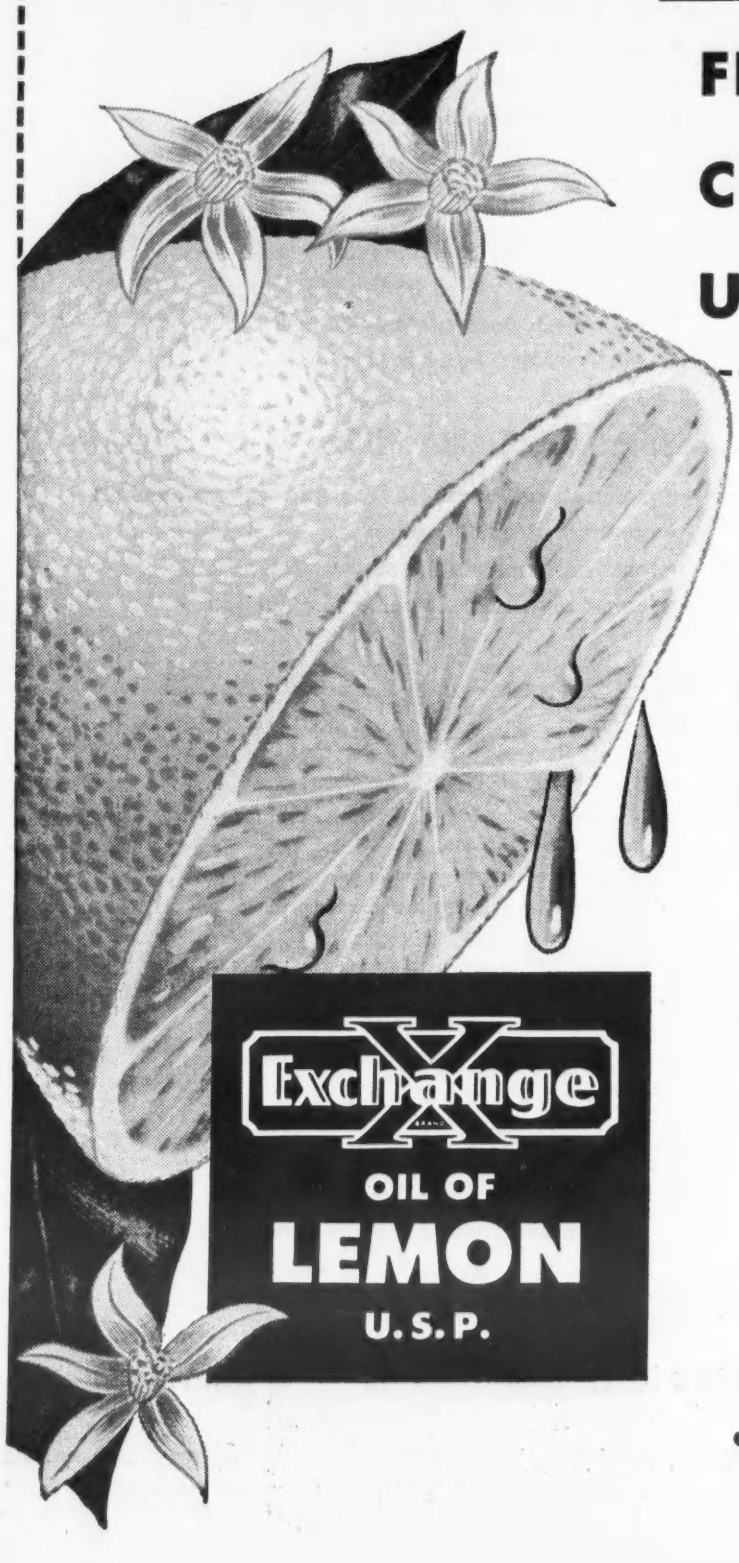
UNIFORMITY



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Oil, vetiver, Bourbon, cns.....lb. 13.25 -15.25
Haitian, cns.....lb. 10.60 -14.00
Java, cns.....lb. 16.00 - —
Whale, ref., natural, dms....lb. No stocks.
Winter-bleached, dms.....lb. No stocks.
Wheat germ, 5-gal. dms.....gal. 10.00 -13.00
White mineral, tech., 50-65 vis., dms., c.l., N. Y. gal. .43 - —
l.c.l., same basis.....gal. .48 - —
65-75 vis., dms., same basis, gal. .44 - —
l.c.l., same basis.....gal. .49 - —
USP, 80-90 vis., dms., c.l., same basis gal. .45 - —
125-135 vis., dms., c.l., same basis gal. .53 - —
l.c.l., same basis.....gal. .58 - —
145-155 vis., dms., c.l., same basis gal. .60 - —
l.c.l., same basis.....gal. .65 - —
175-185 vis., dms., c.l., same basis gal. .62 - —
l.c.l., same basis.....gal. 67 - —
200-210 vis., dms., c.l., same basis gal. .65 - —
l.c.l., same basis.....gal. .70 - —
335-345 vis., dms., c.l., same basis gal. .69½- —
l.c.l., same basis.....gal. .74½- —
Wintergreen, USP, nat., Northern, cns. lb. 7.10 -18.00
Southern, cns.....lb. 3.75 -19.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, NF, cns.....lb. 4.00 - 4.50
Wormwood, cns.....lb. 6.70 - 7.00
Ylang-ylang, Bourbon, bots....lb. 12.00 -14.00
extra, bots.....lb. 17.00 - —
Madagascar, bots.....lb. 9.50 - 9.75
Olein, crude (see Oil, red).
white, low titre, dms.....lb. .20 - .21¼
tankcars.....lb. .18½- —
Oleostearin, bbls.....lb. .12 - —
Olivine, aggregate, c.l., mines ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works, ton. 10.00 - —
paper bgs., c.l., works...ton. 12.00 - —
Opium, USP, cns.....lb. 19.20 -19.45
gran., USP, cns.....lb. 21.65 -21.90
powd., USP, cns.....lb. 21.65 -21.90
Orange, cadmium lithopone bbls., frt. alld. E. of Rockies lb. 1.20 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .25 - —

Chrome orange prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Chrome dinitroanilin toner.....lb. 1.15 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld.lb. .1810- —
Molybdate.....lb. .40 - —
Persian, bbls.....lb. .30 - .45
Orange flowers, bls.....lb. .40 - .45
Orange peel, bitter, Haitian, bls lb. .13 - .15
Sweet, bls.....lb. .13 - .17
Oregano, Mexican, bgs.....lb. .16¼- .16½
Portuguese, bgs.....lb. .16½- .17
Sicilian, bgs.....lb. .15½- .16
Orris root, Florentine, bls.....lb. .18 - .20
powdered, bbls., bxs.....lb. .23 - .24
Verona, bls.....lb. .13 - .14
powdered, bbls., bxs.....lb. .18 - .19
Orthoaminobiphenyl, dms., c.l., works lb. .32½- —
l.c.l., same basis.....lb. .33 - —
tanks, same basis.....lb. .31 - —
Orthoanisidin, bbls.....lb. .80 - —
Orthochloroanilin, dms. 10,000 lbs. or more lb. .60 - —
smaller lots.....lb. .70 - —
Orthochloroparanitroanilin, dms., dlvd. lb. .67 - —
Orthochlorophenol, dms., c.l., frt. equald. lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald...lb. .178 - —
l.c.l., same basis.....lb. .181 - —
ret. dms., c.l., same basis lb. .165 - —
l.c.l., same basis.....lb. .168 - —
29° C, non-ret. dms., c.l., same basis. lb. .168 - —
l.c.l., same basis.....lb. .171 - —
ret. dms., c.l., same basis..lb. .155 - —
l.c.l., same basis.....lb. .158 - —
24-29° C, non-ret. dms., c.l., same basis. lb. .148 - .168
l.c.l., same basis.....lb. .151 - .171
tanks, same basis.....lb. .135 - .155
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies. lb. .09¼- —
l.c.l., same basis.....lb. .10¼- —
tanks, same basis.....lb. .07¾- —
Orthoisopropyl N-phenylcarbamate (see IPC).
Orthoisopropylphenol, dms., c.l....lb. .29 - —
l.c.l.....lb. .30 - —
tanks.....lb. .28 - —
Orthonitroanilin, dms.....lb. .50 - .53
Orthonitrochlorobenzene, dms....lb. .18 - .19
Orthonitrobiphenyl, tech. dms., c.l., works lb. .14½- —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Orthonitroparachlorophenol, cns lb. .75 - —
Orthonitrotoluene, dms., c.l., works. lb. .08 - .09
l.c.l., works.....lb. .09 - .10
tanks, works.....lb. .07 - .08
Orthophenetidin dms. works lb .90 - —
Orthotoluidin, dms., c.l., works..lb. .21 - —
l.c.l., same basis.....lb. .22 - —
tanks, same basis.....lb. .20 - —
Osage orange crystals, bbls., l.c.l lb. .33½- —
extract, liquid, bbls. l.c.l lb. .15½- —
Orthotolidin, (see Tolidine Base).
Ouabaine, USP, pots.....gram. 3.00 - 4.00
Ox gall, conc. gran., eb. dms., 5 lbs. and up lb. 2.50 - —
Oxyquinolin sulphate, cns., 100 lbs. works lb 4.25 - —
smaller lots, works.....lb 4.40 - 4.51

P

Pancreas substance, assay 1:75 lb 5.75 - 6.25
Pancreatin, USP lb 2.50 - 3.00
Panthenol, bots., works, frt. adjust. kilo 90.00 - —
Papain, powd., NF, cs.....lb. 2.10 - 2.70
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots oz. 5.00 - —
smaller lots.....oz. 5.05 - 5.20
Sulphate, cns.....oz. 7.10 - 7.35
Paprika, Chilean, bgs.....lb. .29½- .30
Portuguese, bgs.....lb. .39 - .40
Spanish, bgs.....lb. .44 - .50
Para-anisidin, dms works lb .80 - —
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted lb. 17.50 -21.00
Parachlorophenol, dms., c.l., frt. equald. lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Parachloroanilin, dms., frt. alld. E. Miss lb. .70 - —
Parachloro-orthonitroanilin, frt. alld. dms..lb. .63 - .70
Paracresol, 98%, dms., dlvd ...lb. .50 - —
Paracymene, dms., works, 50 gals. or more gal. 2.50 - —
smaller quantities.....gal. 3.00 - —
Paradibromobenzene, bgs. 500-lb lots. lb. .45 - —
Paradichlorobenzene, dms., c.l., works lb. .12 - —
l.c.l., same basis.....lb. .14 - —
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery lb. No prices.
121-123 ASTM, bbls., c.l., ref'y lb. No prices.
126-128 ASTM, bbls., c.l., ref'y lb. No prices.
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y lb. .0635- —
122-124 ASTM, loose, c.l., ref'y. lb. .0635- —
125-127 ASTM, loose, c.l., ref'd lb. .0635- —
128-130 ASTM, loose, c.l., ref'y..lb. .0640- —
130-132 ASTM, loose, c.l., refy. lb. .0645- —
132-134 ASTM, loose, c.l., ref'y lb. .0660- —

Paraffin prices in bgs and ctns., 7/10c per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs. 3.7c. per lb higher.

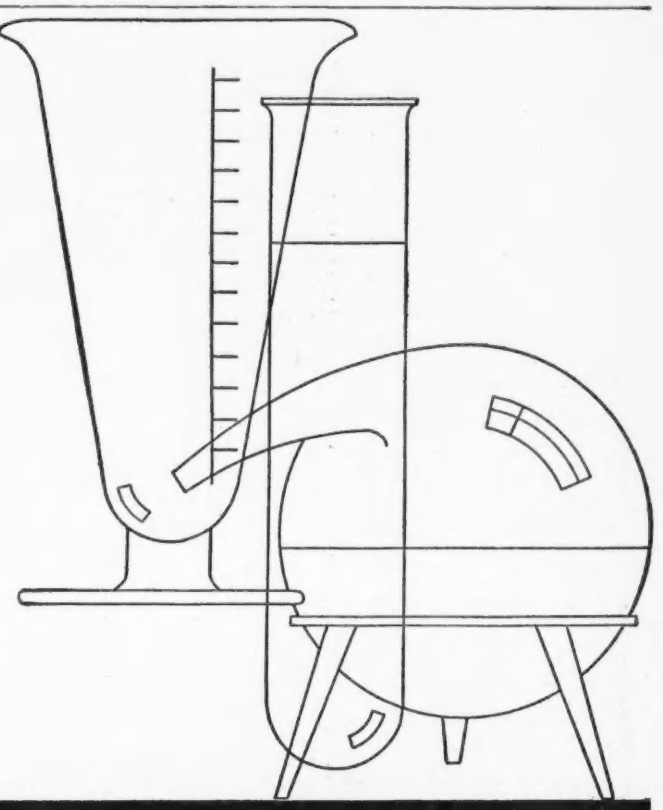
Paraformaldehyde, 94-95%, powd., dms., c.l., dlvd. N.Y lb. .15½- .16¾
10,000 lbs. to c.l., same basis, lb. .16½- .16¾
1,000-9,999 lbs., same basis. lb. .17½- .17¾
less than 1,000 lbs., same basis lb. .19¼- .19½
Paraformaldehyde, 94-95%, powd., dms., c.l., works.....lb. .13 - —
10,000 lbs. to c.l., same basis, lb. .14 - —
1,000-9,999 lbs., same basis, lb. .15 - —
less than 1,000 lbs., same basis lb. .17 - —
135-137 ASTM, loose, c.l., ref'y lb. .0705- —
basis lb. .17 - —
91-92% flake, fib. dms., c.l., works lb. .11 - —
10,000 lbs. to c.l., same basis, lb. .12 - —
1,000-9,999 lbs., same basis, lb. .13 - —
less than 1,000 lbs., same basis lb. .15 - —

Quotations on 91-92%, flake paraformaldehyde in the New York metropolitan area are on a delivered basis, 2½c. per lb. higher than works prices.

Paraldehyde, tech., 98% 55 gals., dms. l.c.l., works lb. .12½ .13¼
5-10-gal. dms., l.c.l., works lb. .16½- —
tanks, works.....lb. .10½- —
USP, cbys.....lb .51 .53
Paranitroanilin, kgs., works.....lb. .46½- —
Paranitrochlorobenzene kgs. works. lb. .19 - .20
Paranitrophenol, kgs. works, frt. equald. lb. .42 - —
Paranitrotoluene, kgs, works....lb. .30 - .33
Paraphenetidin dms., works lb. .80 - —
Paraphenylphenol, bgs., c.l., works. lb. .30½- —
l.c.l., same basis.....lb. .31½- —
Paraphenylenediamine, redistilled, dms., works lb. 2.00 - —
technical, refined, dms., same basis lb. 1.25 - 1.35
Paratertiarybutylphenol, bgs., c.l., frt. equald lb .21 - —
l.c.l., same basis lb. .22 - —
Parathion, spray powder, 15%, tins, dealers lb. .72 - —
tech., dms., works.....lb. 1.50 - 2.50
Paratoluenesulphonamide bbls., works lb .70 —
Paratoluidin, bbls., works.....lb. .55 - .61
Paretra brava root, whole, bgs lb .30 .31
ground, bxs lb .35 .37
powder, bxs lb. .38 .40
Paris green, dealer, distributor, dms., dms., c.l., works, frt. alld. on 96 lbs. or over lb. .33 - .37
l.c.l., same basis.....lb. .34 - .66
Passion flower herb, bls.....lb. .35 - .40
Patchouli leaves, bls.....lb. No stocks.
Peanut meal, 45%, sacked, mills ton. 85.00 -86.00
Pectin, citrous, NF, powd., bbls lb 2.00 2.06
tech., powd., bbls lb 1.42 1.43
Penicillin, crystalline potassium, unlabeled, vials, 100,000 units vl. .102 - —
200,000 units.....vl. .15½- —
500,000 units.....vl. .28 - —
1,000,000 units.....vl. .52 - —
2,000,000 units.....vl 1.00 - —
bulk, sterile, over 25,000,000,-000 unit lots 100,000 units. .04 - —
tablet grade, over 25,000,000,-000 unit lots 100,000 units. .03½- —
procaine, bulk, over 25,000,000,-000-unit lots 100,000 units. .04½- —
sodium, unlabeled, vials 100,000 units.....vl. .10¾- —
200,000 units.....vl. .16 - —
500,000 units.....vl. .30½- —
1,000,000 units.....vl. .57 - —
2,000,000 units.....vl. 1.03 - —
bulk, over 25,000,000,000 unit lots 100,000 units. .04½- —

SYMBOL of DREW FATTY ACIDS SUPERIORITY for

COSMETICS . . . SOAPS . . . SHAMPOOS
DETERGENTS . . . SHAVING CREAMS . . .
FOOD...PHARMACEUTICALS...TEXTILES
LEATHER . . . RUBBER . . . PAINTS
PLASTICS . . . PETROLEUM . . . PAPER
INSECTICIDES . . . PROTECTIVE COATINGS



It takes a lot of doing to produce superior fatty acids. Carefully selected raw materials are a must. Equally important are skillful compounding; maintenance of uniform control; complete research and production facilities. These, plus a determination to produce only the finest fatty acids are reasons why DREW is a leading producer of Distilled and Fractionated Fatty Acids.

Compare the chemical data of DREW Fatty Acids with similar products—you'll understand why leading manufacturers demand DREW Fine Fatty Acids for their best products.

CHEMICAL DATA

PRODUCT	TYPE	FFA	TITRE °C	IODINE VALUE	ACID VALUE	SAP. VALUE	COLOR
AB	Double Distilled Coconut Fatty Acid	126-132	24-28	8-16	250.6-262.5	250.6-262.5	20.0/3.0
AAB	85-90% Lauric Acid	139-144	37.0 Min.	3.0 Max.	277-286.4	277-286.4	15.0/2.0
ABL	70% Lauric Acid	138-141	30.0 Min.	5.0 Max.	274.4-280.4	274.4-280.4	20.0/3.0
ABH	Double Distilled Hydrogenated Coconut Fatty Acid	126-132	29	3.0 Max	250.6-262.5	250.6-262.5	15.0/2.0
AAAR	Single Distilled Coconut Fatty Acids	123-128	30.0 Max.	16-22	245-255	245-255	35.0/5.0
Caprylic Acid	Caprylic Acid—65% Caprylic Acid—80%	184 191		2.0 Max.	366 380	366 380	10.0/2.0
Wecoline S	Double Distilled Soya Fatty Acid	99-102	22-24	125-140	196.9-203	196.9-203	10.0/1.5
Wecoline S-2	Distilled Soya Fatty Acid	99-107	24-28	105-125	196.9-212.8	196.9-212.8	35.0/10.0
Wecoline L	Double Distilled Linseed Fatty Acid	99-101	22.0 Max.	175-192	196.9-200.8	196.9-200.8	10.0/1.5
Wecoline C	Cottonseed Fatty Acids	98-103	34-38	95-110	196-206	196-206	30.0/8.0
Wecoline 00	Double Distilled Oleic Fatty Acid	98-101	8.0-10.0	85-93	194.9-200.8	194.9-200.8	10.0/1.5
Formula 1500	Stearic Acid	99.0 Min.	54-56	15.0 Max.	196.9 Min.	196.9 Min.	35.0/5.0*
Formula 1000	Stearic Acid	99.0 Min.	58	6.0 Max	196.9 Min.	196.9 Min.	35.0/5.0*
Formula 200	Stearic Acid	99-103	56-57	6.0 Max	196.9-204.8	196.9-204.8	4.0/1.0
Formula 300	Stearic Acid	99-103	58.0 Min.	4.0 Max.	196.9-204.8	196.9-204.8	4.0/1.0
Formula 400	Stearic Acid	99-103	60-64	3.0 Max.	196.9-204.8	196.9-204.8	4.0/1.0
VRO	Mixed Vegetable Fatty Acids—Special Mixed Vegetable Fatty Acids—Regular	116 112	30.0 Max.	30-60	231 223	231 223	70.0/10.0

Color Readings: Full Column unless otherwise indicated *1" cell

For further information, write
TECHNICAL PRODUCTS DIVISION

E. F. DREW & CO., INC.
15 EAST 26th STREET, NEW YORK 10, N. Y.
CHICAGO PHILADELPHIA BOSTON GREENVILLE, S. C.

DREW PRODUCTS

Pennyroyal Leaves—Pyridin

Pennyroyal leaves, bls ..... lb. .40 - .45
Pentachlorophenol, dms., c.l., works, frt. equald lb. .20 - —
l.c.l., same basis ..... lb. .23 - .26
truckload, 20,000 lbs., min., same basis lb. .20¼ - —
Pentaerythritol, tech., bgs., c.l., works lb. .29 - —
l.c.l., works ..... lb. .31 - .33
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, group 3 gal .10½ - .11½
Pepper, black, bgs ..... lb. 2.60 - 2.65
July-Aug. shipment, bgs ..... lb. 1.75 - 1.90
Red, Carolina, longs, bgs ..... lb. .38 - .39
Oct.-Nov. delivery, bgs ..... lb. .36 - .37
Ethiopian, stemless, bgs ..... lb. .32½ - .33
Haitian, bgs ..... lb. .52 - .53
Hontaka, bgs ..... lb. .55 - .56
Louisiana longs, bgs ..... lb. .38 - .38½
Mexican sports, bgs ..... lb. .35 - .36
Mississippi sports, bgs., source ..... lb. No stocks.
Nigerian, caps, bgs ..... lb. .38 - .39
birdseye, bgs ..... lb. .70 - .70½
Sierra Leone, bgs ..... lb. .42 - .43
Sudanese, small, bgs ..... lb. .42 - .43
Turkish, bgs ..... lb. .24 - .25
White, futures, bgs ..... lb. 2.90 Nom.
Peppermint, USP, dom., bls ..... lb. .50 - .70
imported, bls ..... lb. .80 - .90
Pepsin, NF, bulk containers ..... lb 3.90 —
Perchloroethylene, dms., c.l., or truckload, works, frt. equald. lb. .10¾ - —
l.c.l., same basis ..... lb. .11½ - —
tanks, same basis ..... lb. .10¼ - —
Perchloroethylene, dms., c.l., dlvd. E lb. .11½ - —
l.c.l., dlvd. E ..... lb. .12 - —
tanks, dlvd. E ..... lb. .10½ - —
Peru balsam, dms ..... lb. .90 - 1.15
Petrolatum, USP, amber, dms., c.l. lb. .04¾ - .05
l.c.l., same basis ..... lb. .05½ - .05⅝
cream, dms., c.l., same basis lb. .05¾ - .06
l.c.l., same basis ..... lb. .07 - .07¼
extra, amber, dms., c.l., same basis lb. .04¾ - .05⅛
l.c.l., same basis ..... lb. .05¾ - —
white, lily, dms., c.l., same basis lb. .06 - .06⅝
l.c.l., same basis ..... lb. .07¼ - .07⅝
snow, dms., c.l., same basis lb. .06½ - .06⅝
l.c.l., same basis ..... lb. .07½ - .07⅝
soft, dms., c.l., same basis lb. .06¼ - .06⅝
l.c.l., same basis ..... lb. .07¼ - .07⅝
yellow, soft, dms., c.l., same basis lb. .04¾ - .06
l.c.l., same basis ..... lb. .05¾ - .06½
Petroleum, crude bulk, at wells, California bbl. 1.10 - 2.99
Illinois ..... bbl. 2.44 - 2.87
Kentucky ..... bbl. 2.42 - 2.83
Louisiana-Arkansas ..... bbl 2.08 - 2.90
Montana ..... bbl 1.28 - 2.775
Oklahoma-Kansas ..... bbl. 2.16 - 2.65
Pennsylvania, lower field bbl. 3.46 - —
Upper field ..... bbl. 3.89 - —
Texas, East ..... bbl 2.65 - —
Gulf coast ..... bbl 2.38 - 2.95
North, North-Central bbl 2.23 - 2.65
Panhandle ..... bbl 2.23 - 2.65
West ..... bbl 2.10 - 2.65
Wyoming ..... bbl 1.28 - 2.875
Ether, laboratory, 30°-60° C., 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., group 3 ..... gal. .26 - —
l.c.l., same basis ..... gal. .44 - —
35°-60° C, 10-gal. cns., dlvd. E. gal. 1.50 - —
dms., c.l., Group 3 ..... gal. .26 - —
l.c.l., same basis ..... gal .44 - —
40°-75° C, 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal .44 - —
90°-160° C, ret. dms., ex tax, f.o.b San Francisco gal .57 - —
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery bbl. 1.40 - 1.60
light, tanks, refinery bbl. 2.05 - 2.10
eastern, tanks, Albany, N. Y. bbl. 2.35 - —
Baltimore, Md. ..... bbl. 2.18 - —
Boston, Mass. ..... bbl. 2.20 - —
Charleston, S. C. ..... bbl. 2.13 - —
Jacksonville, Fla. ..... bbl. 2.02 - —
New York, N. Y. ..... bbl. 2.05 - 2.10
Norfolk, Va. ..... bbl. 2.18 - —
Philadelphia, Pa. ..... bbl. 2.18 - —
Portland, Me. ..... bbl. 2.23 - —
Providence, R. I. ..... bbl. 2.175 - —
Savannah, Ga ..... bbl. 2.03 - —
Diesel, tanks, refinery, California gal. .095 - .10
Pennsylvania ..... gal. .0675- .0925
Furnace, tanks, refinery, Arkansas, No. 2 gal. .0775- —
No. 3 ..... gal. .07375- —
Bayonne, N. J., No. 2 ..... gal. .081 - —
Group 3, No. 1 ..... gal. .08 - .08625
No. 1, straw ..... gal. .08 - .08625
No. 2, straw ..... gal. .07375- .085
range ..... gal. .08 - .0875
Pennsylvania, western, No. 1 gal. .095 - .09625
No. 2 ..... gal. .09 - .095
No. 3 ..... gal. .09 - .0925
Lacquer diluent, California, 170-225 F. b.r., tanks, ex tax, f.o.b. Los Angeles gal. .147 - —
255 F. b.r., tanks, ex tax, Portland, Ore ..... gal. .158 - —
San Francisco ..... gal. .152 - —
Seattle, Wash ..... gal. 158 - —
East coast, tanks, N J and N. Y. refinery gal. .17 - —
group 3, benzol-type, tanks, refinery gal. .12625- —
toluol-type, tanks, refinery gal. .11625- .11875
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco gal. .152 - —
205-295 b.r., tanks, same basis gal. .152 - —
245-360 b.r., tanks, same basis gal. .152 - —
305-362 b.r., tanks, same basis gal. .142 - —
312-400 b.r., tanks, same basis gal. .142 - —
360-455 b.r., tanks, same basis gal. .152 - —
East coast, tanks, N. J., N. Y., refinery gal. .14½ - —
group 3, tanks ..... gal. .10375- —
tankwagon, Baltimore ..... gal. .18½ - —
Boston ..... gal. .17 - —
Buffalo ..... gal. .17½ - —
Newark ..... gal. .16 - —
New York ..... gal. .16 - —
Philadelphia ..... gal. .15 - —
Pittsburgh ..... gal. .18 - —
Providence ..... gal. .17½ - —
Rochester ..... gal. .19 - —
Syracuse ..... gal. .20 - —
Washington, D. C. ..... gal. .18½ - —
Petroleum naphtha, cleaners, East Coast, tanks, N.J., N.Y., refinery gal. .15 - —
Group 3, tanks ..... gal. .11375- —
tankwagon, Newark ..... gal. .15½ - —
New York ..... gal. .16 - —
Philadelphia ..... gal. .15 - —
high-flash, 140° F, group 3, refinery, tanks gal. .13 - .148
200-285 b.r., 37-39° C., mixed anilin pt., tanks, refinery or terminal gal. .21½ - .23
25-26° C., m.a.p., tanks, same basis gal. .19½ - .26
270-370 b.r., 78-81° C, m.a.p., tanks, same basis gal. .25 - —
49° C., m.a.p., tanks, same basis gal. .20½ - —
26-27° C., m.a.p., tanks, same basis gal. .19½ - .26½
300-400 b.r., 28-32° C., m.a.p., tanks, same basis gal. .19½ - .28½
340-410 b.r., 27° C., m.a.p., tanks, same basis gal. .31 - —
32° C., m.a.p., tanks, same basis gal. .19½ - —
30° C., m.a.p., tanks, same basis gal. .20½ - —
340-440 b.r., 32° C., m.a.p., tanks, same basis gal. .25¾ - .29
360-480 b.r., 25° C., m.a.p., tanks, same basis gal. .19½ - —
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles, gal. .147 - —
Portland, Ore gal .158 - —
San Francisco gal. .152 - —
Seattle, Wash. gal. 158 - —
East coast, N. J., N. Y., tanks gal. .15½ - —
Group 3, tanks ..... gal. .11375- .11625
tankwagon, Boston ..... gal. .18½ - —
Newark ..... gal. .17½ - —
New York ..... gal. .17½ - —
Philadelphia ..... gal. .17 - —
Pittsburgh ..... gal. .19 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 - —
East coast, N. J., N. Y., gal. .16 - —
Group 3, tanks ..... gal. .11375- —
Pennsylvania, western, tanks gal. .1225- —
Stoddard, California, tankwagon, ex-tax, Los Angeles gal. .157 - .195
East coast, N. J., N. Y., tanks gal. .15 - —
Group 3, tanks ..... gal. .10875- —
tankwagon, Boston ..... gal. .17 - —
Newark ..... gal. .16 - —
New York ..... gal. .16 - —
Philadelphia ..... gal. .14 - —
Pittsburgh ..... gal. .18 - —
Syracuse ..... gal. .20 - —
Sulphonate, 60-62% sulphonic content, ret. dms., c.l., works. lb. .15¾ - —
l.c.l., works ..... lb. .16¼ - —
tanks, works ..... lb. .14¼ - —
50-55% sulphonic content, ret. dms., c.l., works lb. .13¾ - —
l.c.l., works ..... lb. .14¼ - —
tanks, works ..... lb. .12¼ - —
Phenobarbital, USP, dms., 100 lbs. lb 4.00 4.35
Phenobarbital-sodium, USP dms lb. 4.00 4.10
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies. lb. .1450- .1650
l.c.l., same basis ..... lb. .1525- .1725
tanks, same basis ..... lb. .1275- .1475
82-84% (cresol, 16-18%), dms., c.l., same basis lb. .1450- .1650
l.c.l., same basis ..... lb. .1525- .1725
tanks, same basis ..... lb. .1275- .1475
USP, synthetic, dms., c.l., same basis lb. .15¼ - .17¼
l.c.l., same basis ..... lb. .16 - .18
tanks, same basis ..... lb. .13½ - .15⅛
tar distilled, dms., c.l., same basis lb. .15¼ - —
l.c.l., same basis ..... lb. .16 - —
tanks, same basis ..... lb. .13½ - —
Phenolphthalein, USP or yellow bbls., dms., 2,000 lbs lb. 1.00 - 1.10
smaller lots ..... lb. 1.02 - 1.17
Phenothiazin, NF, 6b. dms., 18,000 lbs., frt. adjusted lb. .44 - —
smaller lots, frt. adjusted lb. .46 - —
Phenylacetaldehyde solution, 50% bots lb. 2.45 - 2.70
100%, bots ..... lb 4.00 4.75
Phenylacetamide, 125-lb. dms., works, lb. lots lb. 1.25 - —
smaller dms ..... lb. 1.30 - 1.60
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb. 30.00 - 37.50
Phenyldiethanolamine, dms., c.l., works lb. .35½ - —
l.c.l., works ..... lb. .35 - .36½
Phenylethanolamine, dms., c.l., works lb. .67½ - —
l.c.l., same basis ..... lb. .68½ - —
Phenylethyl acetate, dms ..... lb. 1.35 - 1.85
Phenylethylphenyl acetate, bots lb. 3.75 - 4.20
Phenylhydrazin base, CP, bots lb. 3.00 - 3.07
Hydrochloride, commercial, kgs., works lb. 1.75 - —
CP, bots., works ..... lb. 5.12 - —
Phenylmethylpyrazolone (see Methylphenylpyrazolone).
Phloroglucinol, CP, fib. dms. works, lb. 13.75 - 15.75
commercial fib. dms., works ... lb. 5.50 - 7.00
tech., fib. dms., works ..... lb. 9.65 - 10.75
Phosgene, 150-lb. cyls., works lb. .20½ - —
Phosphate, defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports ton. 35.00 - —
Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine long ton. 3.735 - —
70%-68%, b.p.l., c.l., same basis long ton. 4.155 - —
72%-70%, b.p.l., c.l., same basis long ton. 4.805 - —
75%-74%, b.p.l., c.l., same basis long ton. 5.805 - —
77%-78%, b.p.l., c.l., same basis long ton. 6.905 - —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum short ton. 4.92 - —
68%, b.p.l., basis 31% P_2O_5 minimum short ton 5.28 - —
70%, b.p.l., basis 32% P_2O_5 minimum short ton 5.63 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5 long ton. 6.45 - —
30-29% P_2O_5 ... long ton. 7.21 - —
Phosphorus, red, amorphous, cs., works lb. .42 - —
dms., works ..... lb. .39 - .40
Yellow, cns. ..... lb. .30 - .37
dms., c.l. ..... lb. .26 - —
Oxychloride, dms., works ..... lb. .13 - .16
Pentasulphide, dms., c.l., works lb. .11 - —
l.c.l., dms., works ..... lb. .12 - .13
Pentoxide, dms., c.l., works ... lb. .12 - —
c.l., works ..... lb. .13 - .14
Sesquisulphide, tins, cs., works. lb. .23 - .29
dms., export ..... lb. .33½ - .36
Trichloride, dms., c.l., works .. lb. .13 - —
l.c.l., works ..... lb. .14 - .17
Phthalic anhydride, bgs., c.l., works, frt. equald lb. .17½ - —
l.c.l., same basis ..... lb. .18½ - —
Bbls. 1c. per pound higher.
Phthalimide, bbls., works ..... lb 1.10 - 1.37
Pichi leaves, bgs ..... lb. .08 - .10
Picoline (see Alphapicoline and Betapicoline)
Pilocarpine hydrochloride, NF bots., vials oz. 5.25 - —
Nitrate, USP, bots., vials ..... oz. 5.20 - —
Pimento, Jamaica, bgs ..... lb. .22½ - .23
Pinetar, retort, dms., incl. c.l., works, South lb. .045 - —
l.c.l., same basis ..... lb. .0473- —
whse., N.Y.C. ..... lb. .0595- —
tanks works, South ..... lb. .035 - —
Pinkroot, bls ..... lb 1.55 - 1.65
Piperidine 95% wks. frt. equald lb. 1.65 - —
98% dms. same basis lb 1.75 - —
Piperazine hexahydrate, bots. . kilo 12.50 - 13.25
Pipe-sewa herb (see Prince's pine)
Pitch, burgundy, dms. incl., 20 or more dms., works, South. 100 lbs. 7.16 - —
whse., N. Y. C. ..... 100 lbs. 8.08 - —
5 to 19 dms., works, South 100 lbs. 7.36 - —
whse., N. Y. C. ..... 100 lbs. 8.28 - —
1 to 4 dms., works, South 100 lbs. 7.61 - —
whse., N. Y. C. ..... 100 lbs. 8.53 - —
Coaltar, 150° F. m.p., bbls., c.l., works ton. 34.00 - —
l.c.l., works ..... ton. 36.00 - 37.00
Cottonseed, dms., works ..... lb. .05 - .07
Hardwood, paper bgs., c.l., works. lb. .02 - —
Linseed, dms. ..... lb. .06 Nom.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse., East 100 lbs. 4.67 - —
Soybean, dms., works ..... lb. .04½ - .05
Plaster of paris (see Gypsum).
Platinum metal, works ..... oz. 74.00 - 77.00
Pokeroot, bls ..... lb. .13 - .14
Pleurisy root, bls ..... lb. .25 - .26
Podophyllin, NF dms ..... lb 12.45 - —
Polyoxyethylene sorbitan monostearate, dms., 20,000 lbs., works lb. .42 - —
10,000-20,000 lbs., works lb. .44 - —
smaller lots, works ... lb. .47 - .49
tristearate, dms., 20,000 lbs., works lb. .42 - —
10,000-20,000 lbs., works lb. .44 - —
smaller lots, works ..... lb. .47 - .49
Polystyrene, colors, special, bgs., over 30,000 lbs., frt alld lb. .30 - .31
20,000-29,999 lbs., same basis lb. .31 - .31½
10,000-19,999 lbs., same basis lb. .31½ - .32
200-9,999 lbs., same basis lb. .32 - .32½
standard, bgs., over 30,000 lbs., same basis lb. .31 - —
20,000-29,999 lbs., same basis lb. .31 - —
10,000-19,999 lbs., same basis lb. .31½ - —
200-9,999 lbs., same basis lb. .31½ - —
crystals, heat-resistant, bgs., over 30,000 lbs., same basis lb. .27 - .28½
20,000-29,999 lbs., same basis lb. .28 - .29½
10,000-19,999 lbs., same basis lb. .29 - .30½
200-9,999 lbs., same basis lb. .29 - .30½
standard, bgs., over 30,000 lbs., same basis lb. .27 - —
20,000-29,999 lbs., same basis lb. .28 - —
10,000-19,999 lbs., same basis lb. .29 - —
200-9,999 lbs., same basis lb. .29 - —
Polystyrene in non-returnable fiber dms., ½c. per lb higher.
Pomegranate root bark, bgs ..... lb. .68 - .70
Poppy flowers, bls ..... lb. .50 - 1.05
Seed, Czech, bgs ..... lb. .17 Nom.
Dutch, bgs ..... lb. .21 - .22
Polish, bgs ..... lb. .16 Nom.
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs. 10.00 - —
l.c.l., works ..... 100 lbs. 10.75 - —
liquid, 45%, dms., c.l., works, 100 lbs. 4.625 - —
l.c.l., works ..... 100 lbs. 5.125 - —
tanks, works ..... 100 lbs. 4.30 - —
solid, 90% dms., c.l., works, 100 lbs. 9.40 - —
l.c.l., works ..... 100 lbs. 10.15 - —
regular, flake, 88-92%, dms., c.l., works 100 lbs. 8.50 - —
l.c.l., works ..... 100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works 100 lbs. 3.875 - —
l.c.l., same basis 100 lbs. 4.65 - —
tanks, same basis ... 100 lbs. 3.55 - —
solid, 88-92%, dms., c.l., works, 100 lbs. 7.90 - —
l.c.l., same basis, works, 100 lbs. 8.65 - —
Potassium abietate, dms ..... lb. .08 - —
Acetate, dms ..... lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .20 .22
powd., dms ..... lb. .22 .24
Bichromate, bgs., works ..... lb. .13¾ - .14¼
Potassium bichromate in drums, ½c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works. ton. 192.00 - —
ton lots, works ..... ton. 245.50 - —
less ton lots, works ton 250.50 - —
Bromate, bbls., 1,000 lbs. or more lb. .48 - —
25-200-lb. lots ..... lb. .60 - —
Bromide, USP cryst., gran., bbls., kgs lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works 100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85% bbls., c.l., works 100 lbs. 6.75 - —
dms., l.c.l., works 100 lbs. 7.50 - —
USP, gran., bbls., dms ... lb 16½ .18
powd., bbls., dms ..... lb. .21 - .23
Chromate, tech., bgs ..... lb. .25 - .29
Chlorate, cryst., dms., c.l., works, lb. .089 - —
l.c.l., works ..... lb. .0915- .1015
powd., dms., c.l., works ..... lb. .094 - —
l.c.l., works ..... lb. .0965- .1065
export, dms., 1 to 10 tons, ex whse lb. .12 —
NF gran dms lb .31 .33
Chloride, USP, cryst., dms ... lb. .26 - .27
gran., bbls ..... lb .20 .22
powd., bbls ..... lb. .29 - .32
Potassium citrate, USP, gran., dms. lb. .37½ - .38½
powder, dms. ..... lb. .40½ - .41½
Cyanide, dms., works ..... lb. .52½ - .55
Fluoride, dms., works ..... lb. .24 - —
Gluconate, dms. ..... lb. .75 - .79
Glycerophosphate, 75% solution, cbys lb. 2.05 - 2.20
Guiacol sulphonate, NF, dms lb 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, pellets, jars ..... lb. .33 - —
Hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophosphite, NF, ton lots and less, fib. dms lb. .90 - .93
Iodide, dms lb 1.95 - 1.98
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite, gran., bbls ... lb. .21 - —
powd., bbls ..... lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N.M. unit-ton. .40 - —
Trona, Cal. ..... unit-ton. .48½ - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms. lb. .30 - .32
fine gran., bbls., dms. lb. .30 - .32
purified, dms. ..... lb. .42 - .44
Perchlorate, dms., l.c.l. ..... lb. .14 - .15
kgs., c.l., works ..... lb. .13½ - —
Permanganate, tech., dms., works, lb. .21¾ - .22¾
USP dms., works ..... lb. .23½ - .24
ex whse ..... lb. .29 - —
Persulphate, dms., c.l., works lb. .17 - —
l.c.l. works ..... lb. .21 - —
Phosphate, tetrabasic, bbls., wks. lb. .13 - .13¼
Prussiate, red, kgs ..... lb. .60 - .63
yellow, bbls ..... lb. .21 - —
kegs ..... lb. .26 - —
Ricinoleate, tech., bbls ..... lb. .11 - —
Silicate, glass, bgs., c.l., works. ton. 200.00 - —
l.c.l. ..... 100 lbs. 15.25 - —
solution, 29° Be, ret. dms., c.l., works 100 lbs. 4.25 - —
l.c.l., 5 or more dms., works 100 lbs. 5.00 - —
1-4, dms., works ... 100 lbs. 5.00 - —
62° Be, net, dms., c.l., works, 100 lbs. 4.75 - —
l.c.l., 5 or more dms., works 100 lbs. 5.50 - —
1-4, works, dms. ... 100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works, 100 lbs. 5.75 - —
l.c.l., 5 or more dms 100 lbs. 6.50 - —
1-4, dms., works .. 100 lbs. 7.00 - —
Silicofluoride, bbls., works lb 07 .08
Sulphate, agricultural, dom., bulk, basis 90-93% K_2SO_4, min., 90% works ton. 34.50 - —
NF, cryst., bbls ..... lb. .31 - .33
gran., dms ..... lb. .18½ - —
powder, dms ..... lb. .16 - .16¼
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, NF, cryst., dms ... lb. .75 - .81
tech., works ..... lb. .45 - .50
Titanate, cns., c.l., works ... lb. .12 - —
5 tons, works ..... lb. .12¼ - —
1 ton or less, works ..... lb. .12½ - .12¾
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MGO, works .. ton. 15.20 - —
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .45 - .58
Potassium-titanium oxalate, bbls., kgs lb. .65 - .70
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
l.c.l., works ..... lb. .52½ - .55
Pregnenolone ..... gm. 4.00 - —
Acetate ..... gm. 4.00 - —
Prickly ash bark, bls ..... lb. .23 - .25
Berries, bgs ..... lb. .55 - .75
Prince's pine herb, bls ..... lb. .45 - .50
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works lb. 3.75 - 4.50
spot ..... lb. 4.00 - 5.00
Progesterone, USP, 100 gms ..... gm. 4.50 - —
Propane, commercial grade, tanks, group 3 gal. .02¼ - —
Propionaldehyde, dms., c.l., works lb. .28½ - —
l.c.l., works ..... lb. .29½ - —
tanks, works ..... lb. .25 - —
Propyl aldehyde (see Propionaldehyde)
Parahydroxybenzoate, USP, dms lb. 2.30 - 2.40
Propylene dichloride, dms., c.l. lb. .08½ - —
l.c.l. ..... lb. .09½ - —
smaller containers ..... lb. .12½ - —
tanks ..... lb. .07 - —
Oxide, dms., c.l., frt. alld. E ... lb. .18½ - —
l.c.l., frt. alld. E ..... lb. .19½ - —
tanks, frt. alld. E ..... lb. .16½ - —
Propyleneglycol, NF, dms., c.l., frt. alld. E lb. .17½ - —
l.c.l., same basis ..... lb. .18½ - —
tanks, same basis ..... lb. .16 - —
tech., dms., c.l., frt. alld. E lb. .16½ - —
l.c.l., same basis ..... lb. .17½ - —
tanks, same basis ..... lb. .15 - —
Propyleneglycol methylether, dms., c.l., frt. equald. lb. .18 - —
l.c.l., same basis ..... lb. .18½ - —
tanks, same basis ..... lb .16½ - —
Propylthiouracil, bots., 50 kilos or more kilo. 55.00 - —
smaller lots ..... lb. 55.10 - 55.30
Psyllium seed, black, bgs ..... lb. .17 - .18
blonde, bgs. ..... lb. .14 - .16
husks, bgs ..... lb. .45 - .47
Pulsatilla herb, bls ..... lb. .45 - .50
Pumice, dom., grd., course, 0½, 1, 1½, 2, 3, bgs., ton lots, lb. .03¾ - .04
Chicago, bgs., ton lots lb. .04½ - —
smaller lots lb. .03¾ - .04¼
Italian, silk-screen, coarse bgs., ton lots lb. .05½ - —
fine, bgs., ton lots ... lb. .04 - —
sun dried, coarse, bgs., ton lots lb. .02½ - —
fine, bgs., ton lots ..... lb. .02½ - —
Pumice in bbls is ½c. per lb higher.
Pumpkin seed, bgs ..... lb. .18 - .36
Purple lake (see Red).
Pyrethrum, concentrate, dewaxed, 20%, for aerosol bombs, dms., works lb 11.00 - 11.50
liquid (20 to 1), basis 2 grams pyrethrins, per 100cc., odorless base, dms., works gal. 9.50 - —
regular base, dms., works, gal. 9.40 - —
(30 to 1 base, 3 grams, pyrethrins, per 100cc, odorless base, bbls., works gal. 14.15 - —
regular base, dms., works, gal. 14.05 - —
flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .42 - .44
powder, 1.3% pyrethrins, bbls., works lb. .56 - .65
Pyrethrin, synthetic (see Allethrin)
Pyridin, denaturing, dms., works, and frt. equald., c.l gal. 2.00 - 2.69
l.c.l ..... gal. 2.00 - 2.72
refd., 2°, non-ret, dms., c.l., same basis lb. .79½ - —
l.c.l., same basis ..... lb. .30 - —

Pyridoxine hydrochloride, 100-gram lots gram .53 - —
Pyrites, Spanish, c.i.f. Atl. ports, long-ton 8.00 - —
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton 11.00 -11.50
230 mesh, bulk, c.l., mines ton 12.00 -12.50
325 mesh, bulk, c.l., mines ton 15.00 - —
No. 3, 200 mesh, bulk, c.l., mines, ton 9.50 - —
insecticide grade, 200 mesh, bgs., c.l., mines ton 12.00 -12.50
rubber grade 140 mesh, bgs., c.l., mines ton 10.00 -10.50

Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.

Pyroxylin, USP, bots lb. 9.54 - —
Scrap, opaque, amber, cs., works lb. .17 - —
black, cs., works lb. .14 - —
gray, cs., works lb. .13 - —
mixed, mottled, cs., works lb. .12 - —
white, china, ivory, cs., works lb. .17 - —
dense, cs., works lb. .16 - —
translucent, pastels, cs., works lb. .17 - —
transparent, colorless, cs., works lb. .19 - —
colors, cs., works lb. .17 - —
shavings, opaque, amber, cs., works lb. .14 - —
mixed colors, cs., works lb. .14 - —
white, cs., works lb. .17 - —

Q

Quassia chips, bls lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., lb. .14½ - .15
liq., 35% tannin, bbls., works, lb. .08 - .08½
tanks, same basis lb. .07½ - —
clarified, solid, 64% tannin, bgs., c.l., duty extra lb. .09 - —
powd., 70% tannin, bgs., c.l lb. .15½ - —
ordinary, solid, 63% tannin, bgs., c.l., ex-dock, duty extra lb. .08½ - —

Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.

Queen of the meadow root, bgs lb. .14 - .15
Quercitron crystals, bbls., l.c.l. lb. .33½ - —
Extract, liquid, bbls., l.c.l. lb. .14½ - —
solid, bxs m. .28 - —
Quicksilver, flasks (76 lbs.) net, 100 flask lots flask 80.00 Nom.
smaller lots flask 80.00 - —
Quince seed, bgs lb. .90 - 1.50
Quinidine, NF V, cryst., cns oz. 1.90 - —
powd., precip., cns oz. 1.85 - —
Sulphate, USP, cns oz. 1.25 - —
Quinine, NF, cns., 100 ozs oz. .70 - —
Bisulphate, USP, cns., 100 ozs oz. .51 - —
Dihydrochloride, USP oz. .70 - —
Ethylcarbonate, NF, cns., 100 ozs. oz. .75 - —
Hydrobromide, NF, cns., 50-oz. cns. oz. .63 - —
Hydrochloride, USP, cns., 100 ozs. oz. .63 - —
Phosphate, NF, cns., 100 ozs. oz. .76 - —
Salicylate, NF, cns., 100 ozs. oz. .66 - —
Sulphate, USP, cns., 100 ozs. oz. .56½ - —
Quinine-urea hydrochloride, NF, cns lb. .68 - —
Quinolin, dms., c.l., frt. equald lb. .50¾ - .51¼
l.c.l., same basis lb. .51¼ - .51¾
tanks, same basis lb. .50 - —

R

R salt, paste, dry basis, dms. lb .70 - .75
Raspberries, dried, bbls lb. 1.60 - 1.70
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.45 - 2.25

Prices 1½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.). (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 3.80 - —
light shade, bbls., same basis lb. 3.65 - —
medium shade, bbls., same basis lb. 3.75 - —
medium-light shade, bbls., same basis lb. 3.70 - —
orange shade, bbls., same basis lb. 3.50 - —
lithopone, deep shade, bbls., same basis lb. 1.45 - —
light shade, bbls., same basis lb. 1.30 - —
maroon shade, bbls., same basis lb. 1.55 - 1.65
medium shade, bbls., same basis lb. 1.40 - —
medium-light shade, bbls., same basis lb. 1.33 - —
orange-red shade, bbls., same basis lb. 1.23 - —

Red cadmium lithopone, all shades, 1c smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.

Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. 1.40 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .11¾ - .11¾
Iron oxide, synth., bgs. lb. .11¾ - .12
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis lb. .05¼ - .09¾
special, high color, all shades lb. .60 - —
Lake C toner alizarin, bbls., works, lb. 1.05 - —
Lithol toner, bbls., works lb. .65½ - .80
Lithol-rubin toner, alizarin lake, bbls., works lb. 1.40 - —
Maroon, alizarin lake, 25%, kgs., works lb. .40 - .43
toner, bbls., works lb. 1.35 - 1.50
Cadmium, deep, bbls., works lb. 1.20 - —
regular, bbls., works lb 1.10 - —
Iron oxide, bgs., l.c.l., works lb. .04 - —
MNPT toner, kgs., works lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb higher
Mercury oxide, tech., bbls., 10,000 lbs., works lb 2.00 - —
smaller lots, works lb 2.02 - —
Metallic, bbls., works lb. .02½ - .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs., works lb. .05¾ .07

Red, para toner, bbls lb. .69½ - .80
chlorinated, kgs lb. .95 - 1.05
concentrated alizarin lake, kgs., works lb. .60 - —
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine Y, kgs., works lb 4.45 - —
Pink lake, alizarin, bbls., works lb. .20 - .23
Purple lake, kegs lb. 1.35 - —
Rose lake, alizarin, bbls., works lb. .25 - .28
Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½ - .05¾
l.c.l., ex dock lb. .05¾ - .06
ex whse., New York lb. .06½ - —
grade 2, bbls., c.l., ex dock lb. .05¼ - .05½
l.c.l., ex dock lb. .05½ - .05¾
ex whse., New York lb. .06¼ - —
Toluidin toner (MNPT), kgs., works lb 1.01 - 1.50
Turkey, bbls., works lb. .14½ - —
Tuscan, bbls., frt. equald lb. .24½ - .25
Venetian, 15%, bgs., works lb. .0350 - —
20%, bgs., works lb. .0360 - —
25%, bgs., works lb. .0410 - —
30%, bgs., works lb. .0440 - —
35%, bgs., works lb. .0465 - —
40%, bgs., works lb. .0490 - —
Vermilion, Amer., bbls lb. .32 - —
Quicksilver, ctns lb. 2.27 - —
Red Precipitate, NF, powd., fib. dms lb. 2.19 - 2.21
Red saunders wood, powd., bbls lb. .50 - —
Rennin, NF lb. 6.50 - —
Resorcinol, resin grade, dms., c.l., works lb. .71 - —
l.c.l., works lb. .72 - —
tech., dms., c.l., works lb. .74 - —
l.c.l., works lb. .75 - —
USP, cryst., dms., works lb 2.50 - —
powd., dms., works lb 2.70 - —
Monoacetate, NF, dms lb. 3.25 - 3.45

Rhatany root, bgs lb. .13 - .16
Rhubarb root, China, whole, cs lb. .70 - .80
powd., bbls lb. .80 - .90
India, whole, bgs lb. .55 - .60
powdered, bbls lb. .62 - .67
Riboflavin, USP, bots., dlvd kilo. 125.00 - —
Readily soluble, bots., dlvd kilo. 125.00 - —
Rice bran concentrate dms. Cedartown, Ga lb. 75 - —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs lb. .27½ - —
smaller lots .28 - .33
Rose flowers, pale, bls lb. 35 - .40
Rosemary flowers, bls lb. 1.55 - 1.65
Leaves, French, bls lb. .12 - .12½
Portuguese, bls lb. .07 - .07½
Spanish, bls lb. .06½ - .07
Rosin gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 3.50 - —
FF, dms., c.l., works 100 lbs. 4.60 - —
G, H, I, dms., c.l., works 100 lbs. 5.41 - —
K, dms., c.l., works 100 lbs. 5.41 - —
M, dms., c.l., works 100 lbs. 5.41 - —
N, dms., c.l., works 100 lbs. 5.46 - —
WG, dms., c.l., works 100 lbs. 5.54 - —
WW, dms., c.l., works 100 lbs. 5.71 - —
X, dms., c.l., works 100 lbs. 5.81 - —
Rotenone, CP, bbls., works lb. 20.00 - —
tech., works lb. 16.50 - —
Rottenstone, bgs., c.l., mines ton. 36.00 - —
l.c.l., mines ton. 43.00 - —
Rue herb, bls lb. .35 - .40
Rutin, 10 kilos, fib. dms gram. .03½ - .04½
smaller lots, fib. dms gram. .04 - .05
Ryania, 100% powd., bgs., works lb. .20 - —

S

Sabadilla seed, powd., bbls lb. .70 - —
activated ground with lime, bbls lb. .40 - —
Saccharin, USP, gran., soluble, dms., 1,000-lb. lots lb. 1.50 - —
smaller lots lb 1.60 1.70
powd., soluble insoluble, dms., 1,000-lb. lots lb 1.55 - —
smaller lots lb. 1.65 - 1.85
Safflower, Egyptian, bls lb. .75 .80
Saffron, Mexican, bls lb .95 1.00
Spanish, USP tins lb 17.00 -18.00
Safrol, dms. lb. .85 1.10
Sage, Cyprus, bales lb. .12 - .13
Dalmatian, bls lb. 1.35 - 1.40
Greek, fancy, bls lb. .21 - .25
Spanish, bls lb. .12 Nom.
Syrian, bls lb. .17½ - .18
Sago flour, bgs lb. .07 - .07½
Saligenin, ctns lb 14.00 -25.00
Salol, NF, gran., bbls., kgs lb 1.00 - —
fib. dms lb. 1.02 1.03
powdered salol 10c higher
Salt, rock, burlap bgs., c.l. 100 lbs. .93 - —
l.c.l. 100 lbs 1.19 1.23
paper bgs., c.l. 100 lbs. .83 - —
l.c.l. 100 lbs 1.09 1.13
Table, vacuum, common fine, bgs., c.l., works 100 lbs. .93 1.03
l.c.l. dlvd. 100 lbs. 1.20 1.33
Saltcake, dom., bulk, dlvd. 100% Na_2SO_4 basis ton. 22.00 - —

Pyridoxine Hydrochloride—Saltcake

Protective Coatings Formulated with

PENTEK®

Heyden PENTEK (Pentaerythritol, Technical) produces protective coatings with unusually high resistance to water, soap and alkali. It is used extensively in formulating architectural enamels, gloss paints, marine finishes and automotive finishes—and remarkable durability, beauty and protective qualities are assured.

Pentek is also of prime interest to manufacturers as a raw material for plasticizers, emulsifying agents, waxes and a wide variety of other products.

Pentek is shipped in 80 lb. multiwall bags.

Samples and fully illustrated booklet mailed promptly upon request on company letterhead.

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Benzaldehyde • Benzoates • Benzyl Chloride • Bromides • Chlorinated Aromatics • Creosotes • Formaldehyde • Formic Acid • Glycerophosphates • Guaiacols • Hexamethylenetetramine • Medicinal Colloids • Methylene Disalicylic Acid • Paraformaldehyde • Parahydroxybenzoates • Penicillin • Pentaerythritols • Propyl Gallate • Quadrafos • Resorcinol • Salicylates • Salicylic Acid • Streptomycin

FINE HEYDEN CHEMICALS

SERVING INDUSTRY THROUGH FINER CHEMICALS

Saltpeter—Sodium Nitrate

Saltpeter, cryst., bbls., 10 tons, 100 lbs. 13.90 - —
smaller lots ..... 100 lbs. 14.15 - 14.40
gran., bbls., 20 tons ..... 100 lbs. 9.25 - —
smaller lots ..... 100 lbs. 10.50 - 11.00
powd., bbls., 20 tons ..... 100 lbs. 10.25 - —
smaller lots ..... 100 lbs. 11.50 - 12.00
NF, gran., dms ..... lb. .15¾ - .17¾

Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs, $1 more.

Sandalwood chips, East indies, bgs., lb. .65 - .66
powd., dms. ..... lb. .75 - .76
Sanguinarine nitrate, bots ..... oz. 4.75 5.50
Santonin, NF, cryst., powd., cns. kilo. No stocks.
Saponin No. 1, cns ..... lb. 2.45 - —
Sarsaparilla root, dom., bls. ..... lb. .30 - .40
Honduras, bls. ..... lb .40 - .45
Mexican, bls. ..... lb. .28 - .30
Sassafras bark, ord., bls ..... lb. .35 - .40
select, bls ..... lb. .50 - .55
Savory, French, bls ..... lb. .10 - .10½
Spanish, bls ..... lyb. .10 - .10½
Saw palmetto berries, bgs. ..... lb. .23 - .24
Scammony resin, lump, cns .... lb. 1.95 - 2.20
powd., cns. ..... lb. 2.05 - 2.30
Root, bgs ..... lb. .11 - 14
Schaeffer's salt, bgs ..... lb. .66 - .73
Scopolamine hydrobromide, bots oz. 16.00 - 17.00
Hydrochloride, bots oz 84.00 —
Seidlitz mixture, bbls. 5,000 lbs lb. .25¾ - —
smaller lots ..... lb. .26¼ - —
dms., 100 lbs. or less ..... lb. .27¼ - .31¼
Selenium, powd., cns., 10-lb lots lb. 2.35 - —
cs., 1,000-lb lots ..... lb. 2.25 - —
Senega root, bls ..... lb. 1.65 - 1.70
Senna leaf, Alex., half-leaf, bls. lb. .16 - .18
sifting, bgs. ..... lb. .16 - .18
Tinnevelly, No. 1, bls ..... lb. .15 - .17
No. 2, bls ..... lb. .14 - .16
No. 3, bls ..... lb. .10 - .11
powdered, bls., bxs. ..... lb. .16 - .22
Pods, bls ..... lb. .12 - .15
Serpentaria root, bls ..... lb. 2.20 Nom.
Sesame seed, Chinese, white, natural, afloat, bgs ..... lb. .12½ - .13
hulled, bgs ..... lb. .17½ - .18
Nicaragua, hulled ..... lb. .20½ - .24
natural, bgs., afloat ..... lb. .17 - .17¼
Salvadorean ..... lb. .13 Nom.
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .49½ - —
bbls., 1,500-lb. lots ..... lb. .50 - —
kgs., 1,500-lb. lots ..... lb. .52 - —
refined, bgs., 1,500-lb. lots .... lb. .59½ - —
bbls., 1,500-lb. lots ..... lb. .60 - —
kgs., 1,500-lb. lots ..... lb. .62 - —

Bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.

Lemon, No. 1, bgs ..... lb. .47 - .48
No. 2, bgs ..... lb. .45 - .46
Superfine, bgs., 10 bgs ..... lb. .43 - .44
TN, bgs., 10 bgs ..... lb. .41 - .42

Shellac in 1 to 9 bgs., 1c. more.

Silica amorph., dry-grd., 325 mesh, bgs., c.l., lll. works ton 20.00 - 30.00
t.c.l., works ton 25.00 - 40.00
hard-quartz, 99½%, 325 mesh bgs., c.l., works ton 20.00 - —
t.c.l., works ..... ton 25.00 - —
140 mesh, bgs., c.l., works ton 12.00 - —
t.c.l. works ..... ton 17.00 - —
Tetrachloride, tech., dms., c.l. works lb. .14½ - —
t.c.l., works ..... lb. .18½ - .20½
Silver bullion, ingots, cs ..... oz. .72¾ - —
Cyanide, fib. dms., 2,500-oz. lots, oz. .66¾ - —
1,000-oz. lots ..... oz. .66¾ - —
500-oz. lots ..... ob. .66⅞ - —
100-oz. lots ..... oz. .67⅛ - —
Nitrate, CP, cryst., bots., 2,500-oz. lots .. oz. .46½ - —
1,000-oz. lots ..... oz. .47¾ - —
500-oz. lots ..... oz. .48½ - —
250-oz. lots ..... oz. .48¾ - —
USP granular silver nitrate, 4c. per oz higher
Proteinate, mild USP, bots., dms., 1,000-oz. lots oz. .95 - —
strong, NF, bots., dms., 1,000-oz. lots. oz. .90 - —
Simaruba bark, bls. ..... lb. .85 Nom.
Skullcap herb, Eastern, bls ..... lb. .60 - .65
Western, bls ..... lb. .30 - .35
Skunk cabbage root, bls ..... lb. .30 - .35
Slate flour bgs. c.l. works .... ton. 11.00 - 12.00
l.c.l., ex whse ..... ton. 20.00 - 60.00
Sloe berries, bgs ..... lb. .32 - .35
Smalt, black, ctns ..... lb. .11½ - —
blue, ctns ..... lb. .15½ - —
Snakeroot, Canada, bls ..... lb. .45 - .50
Soapbark, bls ..... lb. .22 - .23
crushed, bls., bbls ..... lb. .26 - .28
cut, foreign, bbls ..... lb. .25 - .26
powd., bbls. ..... lb. .27 - .28
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.45 - —
l.c.l., stock points ... 100 lbs. 2.85 - 4.62
bbls., c.l., works ..... 100 lbs. 1.95 - —
l.c.l., stock points .... 100 lbs. 3.35 - 5.12
bulk, c.l., works .... 100 lbs. 1.20 - —
light, 58%, paper bgs., c.l., works .. 100 lbs. 1.35 - —
l.c.l., stock points .... 100 lbs. 2.75 - 4.52
bbls., c.l., works ..... 100 lbs. 1.85 - —
l.c.l., stock points .... 100 lbs. 3.25 - 5.02
bulk, c.l., works ..... 100 lbs. 1.10 - —
Soda, caustic, flake, powd., 76%, dms., c.l., works .. 100 lbs. 3.60 - —
l.c.l., stock points ... 100 lbs. 4.95 - 6.77
liquid, 50%, sellers' tanks, works, dry basis .. 100 lbs. 2.40 - —
rayon-type, tanks, works, dry basis .. 100 lbs. 2.50 - —
70%, sellers' tanks, works, dry basis .. 100 lbs. 2.50 - —
rayon-type, tanks, works, dry basis .. 100 lbs. 2.60 - —
solid, 76%, dms., c.l., works, 100 lbs. 3.20 - —
l.c.l., stock points .... 100 lbs. 4.55 - 6.42
Sal, bgs., c.l., ex car ..... 100 lbs. 1.58 - —
l.c.l., bgs., ex whse .... 100 lbs. 1.78 - —
Soda-lime, USP, dms ..... lb. .23 - .25
Sodium acetate, anhyd., dms., works lb. .10 - .11½
NF, cryst., bbls., works ..... lb. .16 - —
powder, bbls., works ..... lb. .08 - .09
Alginate, refined, water soluble, bbls., works lb. .79 - —
semi-refined, bbls., works lb. .46 - —
NF, white, powd., dms., works, ton lots lb. 1.25 - —
Aluminate, 20,000 lbs. or more, bgs 100 lbs. 8.50 - —
under 20,000 lbs., works 100 lbs. 9.50 - —
Antimoniate, bbls., c.l., dlvd. E lb. .23¼ - —
l.c.l., dlvd. ..... lb. .24¼ - —
Arsenate, dealers, dms., c.l., works. lb. .12 - —
Arsenite, dealers, dms., works lb. No stocks.
solution, dms., works gal. .60 - 1.00
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .39 - —
USP, bbls., dms., 100 lbs. or more lb. .46 - —
smaller lots ..... lb. 1 30 - 1.65
Bicarbonate, USP, gran., bgs., c.l., works .. 100 lbs. 2.35 - —
t.c.l., works ..... 100 lbs. 3.00 - —
powd., bgs., c.l., works 100 lbs. 1.95 - —
t.c.l., works ... 100 lbs. 2.60 - —
Bichromate, bgs., works ..... lb. .09¾ - .10¼
Sodium bichromate, in drums, ½c. higher.
Bifluoride, bbls., c.l., works, frt. equald lb. .13¼ - —
t.c.l., same basis ..... lb. .13½ - —
Bisulphate, bulk, c.l., works .. 100 lbs. 1.75 - —
dms., c.l., works ..... 100 lbs. 2.40 - —
t.c.l. works ..... 100 lbs. 2.90 - —
Bisulphite, powd., bgs., c.l., works. 100 lbs. 3.75 - —
t.c.l., works ..... 100 lbs. 4.00 - —
solut. 35° bbls., c.l., works .. 100 lbs. 1.10 - —
t.c.l. works ..... 100 lbs 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works. lb. .33 - .34
Cacodylate, NF, jars, dms ..... lb. 7.00 - 8.00
Carbonate, anhydrous (see Soda ash), crystalline, monohydrated, bgs., c.l., works .. 100 lbs. 2.55 - —
t.c.l., works .. 100 lbs. 2.75 - —
Chlorate, cryst., dms., c.l., works. lb. .08 - —
t.c.l., works ..... lb. .08¼ - —
powd., kgs., works ..... lb. .09½ - —
Chloride, tech. (see Salt).
USP, dms ..... lb. .21 - —
Chlorite, tech., dms., works .. lb. .75 - —
Chloroacetate, tech., dms., c.l., works lb. .20 - —
t.c.l., dms., works ..... lb. .21 - .22
Chromate, dms., works ..... lb. .11½ - .12¼
Citrate, anhyd, dms. ..... lb. .60 - .65
USP VIII, dms ..... lb. .21½ - .26⅛
USP XIII, gran., dms ..... lb. .28 - .32

Sodium citrate, USP XIII, powd., prices ½c. higher.

Cyanate, dms., 1,000 lbs., works. lb. 1.10 - —
smaller lots, works ..... lb. 1.25 - —
Cyanide, 96-98%, dms. ..... lb. .16 - .18
Diacetate, 33-35% acidity, bbls., works lb. .11½ - .12⅛
anhydrous, dms., works lb. .14 - .15⅛
Fluoride, white, 90%, bbls., c.l., works lb. .10½ - —
t.c.l., works ..... lb. .10¾ - .11
95%, bbls., c.l., works .... lb. .10¾ - —
l.c.l., works ..... lb. .11 - —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works lb. 12.00 - —
2 to 25 tins to case, works lb. 12.00 - 16.50
1 oz. tins, 16 to 64 to case, works lb. 16.50 - 21.00
tribasic, ton lots ..... lb. 11.00 - —
Formate, bgs. c.l., dlvd .... 100 lbs. 7.10 - —
t.c.l. ..... 100 lbs. 8.15 - —
Gluconate, dms. ..... lb. .83 - .85
Glutamate, monobasic, dms., c.l., dlvd lb. 1.53 - —
smaller quantities, dlvd lb. 1.54 - 1.56
Glycerophosphate, NF, flake, bbls. lb. 1.65 - 1.80
powder, bbls. ..... lb. 1.70 - 1.85
solution, 75%, cbys ..... lb. 96 - 1.06
Hydride, dms., works ..... lb. 2.00 - 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .21 - —
l.c.l., frt. alld ..... lb. .21½ - .23¼
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms lb. .23 - —
Hypophosphite, NF, ton lots and less, dms lb. .85 - .88
Hyposulphite, photographic, bgs., 5,000-lb. lots, Metro. area .. 100 lbs. 4.10 - —
tech., cryst., bgs., c.l., works, frt. equald .. 100 lbs. 3.75 - —
l.c.l., same basis .. 100 lbs. 4.10 - —
pea, bgs. ..... 100 lbs. 3.90 - 4.85
gran., bgs., c.l., works ... 100 lbs. 4.00 - —

Sodium, hyposulphite, crystals in bbls., 50c. higher.

USP (see Sodium thiosulphate).
Iodide, USP, bots., dms ..... lb. 2.47 - 2.59
Lactate, edible, 50%, dms., cbys., works lb. .19 - —
60%, dms., cbys., works lb. .24 - —
tech., 50%, dms., cbys., works. lb. .13 - .14
Metaborate, octa-hydrate, gran., bgs., c.l., works .. ton. 73.00 - —
l.c.l., works ..... ton. 118 00 - 123.00
tetrahydrate, c.l., bbls., works. ton. 184.50 - —

Sodium metaborate in bbls., $20 per ton higher.

Metal, tanks, works ..... lb. .16 - —
bricks, dms., works ..... lb. .17 - .18
Metanilate, bgs. ..... lb. .57 - —
Metasilicate, anhyd., dms., c.l. 100 lbs. 4.25 - —
t.c.l., dms., works .... 100 lbs. 5.75 - —
pentahydrate, bgs., c.l., works. 100 lbs. 3.50 - —
l.c.l., bgs., works .. 100 lbs. 3.99 - 6.40
bbls., c.l., works .. 100 lbs. 3.90 - —
l.c.l., bbls., works .. 100 lbs. 4.30 - —
Molybdate, anhyd., works ..... lb. .54 - —
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls ..... lb. .60 - .71
Nitrate, crude, dom., bgs., c.l., works .. ton. 48.50 - —
bulk, c.l., works ..... lb. 45.00 - —
imp., 100-lb. bgs., c.l., Atl Gulf, Pac. whse .. ton. 51.50 - —
bulk, c.l., same basis ... ton. 48.00 - —

DRYMET*

THE ECONOMICAL DETERGENT SILICATE

Cowles DRYMET, anhydrous sodium metasilicate, is the most highly concentrated form of sodium metasilicate available. It is more economical to use, on the basis of both Na_2O (alkalinity) and SiO_2 (silicate) than any other type of hydrated or anhydrous detergent silicate, either compounded or by itself. DRYMET contains no water of crystallization.

DRYSEQ*

THE ALL-PURPOSE DETERGENT SILICATE

Cowles DRYSEQ, anhydrous sodium sesquisilicate, is a medium pH alkaline cleaner which will do fast, dependable work at a low cost to the user. It is a white, free-flowing powder, quickly and completely soluble in hot or cold water—containing 56.75% Na_2O—making it an economical base material for compounding.

DRYORTH*

THE HEAVY-DUTY DETERGENT SILICATE

Cowles DRYORTH, anhydrous sodium orthosilicate, is a powerful, speedy, heavy-duty cleaner with valuable penetrating and wetting-out properties, reinforced dirt-removing power and unusual emulsifying action. It is an anhydrous, free-flowing powdered silicate containing not less than 60% Na_2O, which may also be used as an economical constituent of high pH cleaning compounds.

CRYSTAMET*

THE MEDIUM pH DETERGENT SILICATE

Cowles CRYSTAMET is a pure, perfectly white, free-flowing granular pentahydrate sodium metasilicate with the normal 42% water of crystallization. Suggested for compounding when it is desirable to lower the concentration of a finished product. Readily soluble—chemically stable—easy to handle. Can be used on medium pH jobs.

Cowles Chemicals

We'll be glad to send you our DRYMET File Folder containing complete technical information and suggested formulations.

PROMPT SHIPMENTS FROM CONVENIENT WAREHOUSE STOCKS

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COWLES CHEMICAL COMPANY

HEAVY CHEMICAL DEPARTMENT • CLEVELAND 3, OHIO

Sodium nitrite, 90%, bbls., c.l., works, frt. equald. lb. .07¼- —
l.c.l., same basis.....lb. .08¼- —
USP. dms.....lb. .21 —
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 - —
l.c.l., same basis....100 lbs. 5.55 7.10
hydrated, flake, bbls., c.l., works. 100 lbs. 4.25 —
l.c.l. works 100 lbs. 5.50 5.75
Oxalate, neut., bgs., works... lb. .09½- —
Para-aminobenzoate, dms., 1,000 lbs. or more lb 3.50 - —
smaller lots .....lb. 3.65 - —
Para-aminosalicylate, dms., 1,000 lbs. or more lb. 5.25 - —
smaller lots .....lb. 5.30 - 6.25
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald .lb. .21½- —
l.c.l. same basis lb 22½ 24½
pellets, bgs., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .22 .24
powd., bgs., c.l., same basis lb. .20 —
l.c.l., same basis lb. .21 .23
Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works. lb. .13¾- —
l.c.l. works lb. .19¼- —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .18 - .19
l.c.l., same basis lb. .18½- .19
Phenolsulphonate, USP IX, gran., dms. lb. .38 - .39
powd., dms. lb. 41 42
Phosphate, dibasic, anhydr., bgs., c.l., works..100 lbs. 6.75 - 7.00
l.c.l., works.... 100 lbs 7 25 7.50
cryst., ngs. c.l. wor's. 100 lbs. 4.00 - —
l.c.l., works ....100 lbs. 4.40 - —
USP, dried, powd., bgs., dms. works lb. .19 - .20½
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.60 - —
l.c.l., works .....100 lbs. 8.20 - —
tribasic, cryst., bgs., c.l., wks., frt. equald..100 lbs. 3.90 - —
l.c.l., same basis..100 lbs. 4.30 - —
Sodium phosphates in bbls. 40c. higher than bgs.
USP (see Sodium phosphate dibasic).
Prussiate, yellow, bgs..... lb. .12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald. 100 lbs.10.50 - —
ferric, dms., 1,500 lbs., works. lo. .30 - —
smaller lots, works lb. .31 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 7.15 - —
l.c.l., frt. equald..100 lbs. 7.55 - —
Salicylate, USP, dms..... lb. .59 - .62
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.95 - —
l.c.l., dlvd. zone 1.....100 lbs. 3.70 - 4.10
zone 2.....100 lbs. 3.96 4.36
zone 3.....100 lbs. 4.25 4.65
zone 4.....100 lbs. 4.96 5.35
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No of 31°; (3) Ark. W. of 96°, Kan., Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
bbls. c.l. works .....140 lbs. 2 45 - —
Sesquisilicate, bbls., c.l., works. 100 lbs. 4.15 - —
l.c.l dlvd .....100 lbs 5 40 6 65
tanks works .....ton.16 00 -17.00
Silicate, liquid, 40°, turbid., dms., c.l., works..100 lbs. 1.10 - —
l.c.l., works .....100 lbs. 1.45 - 1.85
tanks, works .....ton.17.00 - —
52°, turbid., dms., c.l., works. 100 lbs. 1.90 - —
l.c.l., works.....100 lbs. 2.25 - —
tanks, works .....ton.33.00 - —
solid, bgs., works.....ton.50.00 - —
Silicofluoride, bbls., c.l., works lb. .04½- —
l.c.l., works .....lb. .049 - —
Stannate, dms., works, frt. alld E. lb. .546 - .599
Stearate, USP, anhyd., bbls., works lb. .51 - .56
Sulphanilate, bbls., works .. lb. .22 - —
Sulphate, NF VII, dried, gran., dms lb. .14½- .16½
tech., annyd., bgs., c.l., works. 100 lbs 2.00 - —
l.c.l., works .... 100 lbs 2.35 - 2.60
cryst (see Glauber's salt).
USP, cryst., bbls ..... lb. .17 - .19
gran., bbls ..... lb. .17 - .17½
Sulphide, flake, bbls., c.l., works. frt. equald..100 lbs. 4.50 - —
l.c.l. same basis 100 lbs. 5.00 5.25
fused, bbls., c.l., works, frt. equald 100 lbs 4.00 - —
l.c.l. same basis 100 lbs. 4 50 4.75
Sulphite, anhyd., by-product, powd., bgs., c.l., frt. equald ... 100 lbs. 2.50 - 2.75
l.c.l., same basis 100 lbs. 3.25 - 3.75
regular, powd., bbls., c.l., works 100 lbs. 6.50 - —
l.c.l., same basis 100 lbs. 7.00 - —
crystals, bgs., c.l., works 100 lbs. 4.10 - —
l.c.l., works .....100 lbs. 4.50 - 4.75
bbls., c.l., works.....100 lbs. 4.50 - —
l.c.l., works .....100 lbs. 4.90 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls. .... lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l. lb. .05½- —
l.c.l., works lb. .06¼- —
liquid, 45% basis 100%, tanks, works ton.90 00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works..lb. .03 - —
l.c.l., works .....lb. .03¼- —
Thiocyanate, CP, dms..... lb. .55 - .65
tech., dms., works ..... lb. .30 —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls ..... lb. .10 .12
Titanate, ctns., c.l., works.....lb. .10 - —
5 tons, works .....lb. .10½- —
1 ton or less, works.....lb. .10½- .11
Trichloroacetate, dms. .....lb. .46 - .53
Tripolyphosphate, bgs., c.l., works. frt. equald.....100 lbs. 7.25 - —
l.c.l., same basis..100 lbs. 7.65 - —
Tungstate, tech., kgs., dlvd., East lb. 1.25 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose—See CMC.
Sodium-Cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dlvd., dms..lb. .22 - .22½
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½- —
l.c.l., works ..... lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works... lb. .28 - —
less 1,000 lbs. same basis..lb. .30 - —

Solvent naphtha, coaltar tanks, works gal. .25 - .3225
high-flash, tanks, works . gal. .25 - .3225
Petroleum, 100° F., flash, tanks, Baytown, Tex . gal. .28 - —
150 F. flash tanks same basis-gal. .28 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .30 - .31
10,000 to 20,000 lbs., works lb. .32 - .33
smaller lots, works ..... lb. .35 - .38
tristearate, fib. dms., 20,000 lbs. works lb. .30 - —
10,000 to 20,000 lbs., works lb. .32 - —
smaller lots, works..... lb. .35 - .37
Sorbitol, cryst., pellets, dms., c.l., works lb .30 —
ton lots to 5 tons, works, lb. .32 - .33
powd., dms. ton lots to 5 tons, works lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works lb. .22½- —
ton lots, works ..... lb. .23½- —
less ton lots, works .. lb. .24 - —
tanks, works lb. .21½- —
regular, 70%, aqueous, dms., c.l., works lb. .16¼- —
ton lots, works .. lb. .17 - —
less ton lots, works lb. .17½- —
tanks, works ..... lb. .15½- —
Soybean meal, 41% bulk, Decatur. ton.85.00 - —
50%, same basis ...ton.99.00 - —
protein, chemically isolated, 40,-000 lbs., dlvd. lb. .2150- —
20,000 lbs., same basis ...lb. .2175- —
smaller lots, same basis lb. .2200- .2350
mechanically refined, bgs., 40,000 lbs., same basis..lb. .0600- —
20,000 lbs., same basis ...lb. .0615- —
smaller lots, same basis..lb. .0630- —
Sparteine sulphate, cns..... oz. .85 1.25
Spearmint leaves, bls.....lb. 52 .55
Spikenard root, bls .....lb. .36 - .40
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works. lb. .05¼- —
Squaw vine leaves, bls .....lb. .30 - .35
Squill, red, fortified, powd., bbls. boxes lb. 1.60 - —
White, bls. .....lb. .11 .13
powd., bbls., bxs .....lb. .16 18
St. Ignatius beans, bgs .....lb. No stocks.
St. John's bread, edible, bls .....lb. .13 - .18
Stainless steel flake, dry, dms., works lb 1.50 - —
paste, dms., works .....lb. 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root).
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 5.92 - —
Chicago .....100 lbs. 5.27 - —
l.c.l., ...100 lbs. 6.07 - —
powd., paper bgs., c.l.....100 lbs. 6.03 - —
Chicago .....100 lbs. 5.38 - —
l.c.l. .....100 lbs. 6.18 - —
Prices for corn starch in cotton bags, 12c. to 15c. per 100 lbs. higher.
Potato, Idaho, bgs., c.l., works. lb. .05¼- —
Maine, bgs., c.l., works....lb. .05½- —
l.c.l., spot.....lb. .07¼- .07½
Rice, bgs. .....lb. .10¾- .11
Sweetpotato, bgs., c.l.....lb. No stocks
Wheat, bgs. .....lb. .0606 0626
Stavesacre seed, bgs .....lb. .60 61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. .....lb. .35 38
Stoneroot, bls .....lb. 07½ 08
Storax, USP cs .....lb 1.50 1 60
Stramonium leaves, bgs.....lb. .22 - .24
Seed, bgs .....lb. .20 .21
Streptomycin, hospitals, vials gram. .60 —
wholesalers, vials ..... gram. .48 —

Sodium Nitrite, 90%—Sulphaguanidin, USP

Strontium bromide NF cns., dms., lb 62 —
Carbonate, 90% dms .....lb .15½- .16¾
Chloride, tech, bbls .....lb 22 .24
Chromate, bb's, works.....lb. .50 - —
Iodide, jars, 25 lbs .....lb 3.60 —
Nitrate, bbls., c.l., works.....lb 09¼ —
l.c.l. works .....lb 10¼ —
Oxalate, bbls., works .....lb 42 44
Salicylate NF dms .....lb. 1 25 1 32
Sulphate air-floated, 90% 325 mesh bgs., works ton.56 70 -66 13
Strontium-calcium sulphide, phosphorescent dms. works lb 2.50 2 85
Strophanthin NF bots .... oz.39 00 —
Strophanthus seed, Kombe, bgs lb 3 00 3.23
Strychnine, NF powd. ens. 100 ozs. oz. 1 25 - —
Phosphate NF 100 ozs oz 1 14 - —
Sulphate USP powd. ens., 100 ozs oz 1.00 - —
Styrene, monomer, dms., c.l., works lb. .17¾- —
l.c.l., works .....lb. .18¾- —
tanks, works .....lb. .16½- —
Styroly acetate bots lb 2.50 3 10
Sucrose octa-acetate denat., bbls., l.c.l., works lb 60 —
tech. bbls. c.l. works lb 53 —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms .... lb 4.25 4.60
Sulphabenzamide-sodium, dms lb 4.25 4.60
Sulphadiazin, USP, crystals, free flowing, dms lb.11.25 -11 75
microcrystals, 99%, not over 10 microns, dms lb.10.50 -11.00
powder lb.10.25 -10 75
Sulphadiazin-sodium, USP, granules, free flowing, dms lb.12.25 -12.75
powder lb.11.25 -11 75
Sulphaguanidin, USP, dms .....lb. 4.50 5.00

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... you get the ultimate in quality—the kind of quality you would expect from America's leading producer of alkalies. But in addition, you get the fast, dependable delivery service which can only come from a company having more than one plant ... and over 200 local stock points from coast to coast. Solvay's exclusive Technical Service is also available at your request.
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Nytron • Ammonium Bicarbonate • Para-dichlorobenzene • Ortho-dichlorobenzene • Monochlorobenzene • Methanol • Ammonium Chloride • Formaldehyde

Sulphamerazin—Witch Hazel Leaves

Sulphamerazin, USP, micro crystals, 99.9%, not over 10 microns, dms lb.10.55 -11.05
powder, dms lb.10.25 -10.75
Sulphamerazin-sodium, USP, dms., lb.11.25 -11.75
Sulphamethazine, micro crystals lb. 8.80 - 9.30
powder lb. 8.50 - 9.00
Sulphanilamide, USP, crystals, free flowing lb. 1.15 - 1.35
microcrystals lb. 1.30 - 1.50
powder lb. 1.05 - 1.25
Sulphaniiamidoquinoxaline, veterinary, dms lb. 9.00 - 9.25
Sulphapyridin NF powd. bots. tins, lb. 7.00 - 7.50
Sulphapyridin-sodium, powd., bots., dms lb. 7.50 - 8.00
Sulphathiazole, USP, crystals, free flowing lb. 3.50 - 4.00
micro crystals, 99.9%, not over 10 microns, dms lb. 3.25 - 3.55
powder, dms. lb. 3.00 - 3.30
Sulphathiazole-sodium, USP, dms., lb. 3.00 - 3.30
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 - —
t.c.l., works 100 lbs. 2.10 - 2.45
crude c.l., bulk, mines contract. long ton.18.00 - —
vessel f.o.b. Gulf ports, export, long ton.22.00 -24.00
f.o.b. ship for domestic and Canada long ton.19.50 - —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.60 - —
t.c.l., works 100 lbs. 1.95 - 2.30
precipitated, USP, bbls., kgs lb. .27 - .29
refined, flour, light refined, USP, bgs., c.l., works 100 lbs. 3.00 - —
t.c.l., works 100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works 100 lbs. 2.80 - —
t.c.l., works 100 lbs. 3.15 - 3.50
flowers, USP, bgs., c.l., works 100 lbs. 3.85 - —
t.c.l., works 100 lbs 4.20 - 4.60
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works 100 lbs. 2.40 - —
t.c.l., works 100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works 100 lbs. 2.70 - —
t.c.l., works 100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works. 100 lbs. 2.35 - —
t.c.l., bgs., works 100 lbs. 2.70 - 3.05
Chloride, mono, 55-gal. dms., c.l., frt. equald lb. .03¼ - —
t.c.l., same basis lb. .04¼ - —
tanks, same basis lb. .03 - —
Dioxide, liquid, com'l, cyls., works lb. .09 - —
multi-unit cars, works lb. .0535 - —
tanks, works lb. .045 - —
refrigeration, cyls., t.c.l., dlvd. lb. .20 - .36
Sumac bark, 28%, grd., bgs., ex dock ton.65.00 -66.00
Extract, No. 1, bbls., 25% lb. .10½ - —
No. 2, bbls., 25% lb. .09 - —
crystals, bbls. lb. .40 - —
stainless, bbls. lb. .14½ - —
Leaf, 28% grd., bgs., ex-dock, ton.67.00 -68.00
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Baltc unit-ton. 76 - —
Carteret, N. J. unit-ton. .70 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla. unit-ton. .80 - —

Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, imported, bls. lb. No stocks.

T

Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton.25.00 -35.00
Vermont, bgs., c.l., works ton.14.00 - —
t.c.l., works ton.17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton.24.00 - —
t.c.l. ton.26.50 -28.00
98.5-99.5%, 325 mesh, bgs., c.l., works ton.23.00 -28.00
t.c.l., works ton.25.00 -32.00
Imp., Canada, grd., bgs., c.l., mines ton.12.50 -35.00
Tallow, edible, dms., c.l. lb. .11¼ Nom.
inedible, extra, loose, c.l., dlvd. lb. .08¼ - —
fancy, loose, c.l., dlvd lb. .08½ - —
special, loose, c.l., dlvd lb. .08 - —
sulphonated, 25%, dms lb. .07 - .07½
50%, dms. lb. .09½ - .10
Tamarind, W. I., bbls lb. .10 - 15
kegs keg.10.00 - —
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton. 8.00 - —
Chicago unit-ton. 9.00 - —
Tansy leaves, bls lb. .24 - .30
Tapioca flour, high grade, bgs lb. .07 - .07½
medium grades, bgs lb. .06½ - .07
low grades, bgs lb. .05½ - .06
Java, bgs lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .41 - —
t.c.l., same basis gal. .44 - —
tanks, same basis gal. .33 - —
25-28%, dms., c.l., works gal. .48 - —
t.c.l., same basis gal. .51 - —
tanks, same basis gal. .40 - —
50-53%, dms., c.l., same basis. gal. .58 - —
t.c.l., same basis gal. .61 - —
tanks, same basis gal. .50 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton.225.00 Nom.
Tarragon herb, bgs lb. .45 - .50
Leaves, bgs lb. .75 - .80
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .46 - —
dms. lb. .47 - .51
USP, powd., bbls., dms., kgs lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l lb. .24½ - —
t.c.l. lb. .25 - .25½
NF, cryst., bbls., dms lb. 75 - —
powd., bbls., dms lb. 80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½ - —
t.c.l., South lb. .14 - —
tanks, South lb. .13 - —
prime, dms lb. .33 - .60
Terpinglycol ether, dms., c.l., works. lb. .19½ - —
t.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpinyl acetate, extra, cns., dms lb. .60½ - .70½
prime, cns., dms lb. .55 - .65
Terra alba (see Gypsum).
Testosterone, USP, 100 gms. gm. 3.75 - —
Propionate, USP., 100 gms. gm. 3.75 - —
Tetrachloroethane, dms., works lb. .08 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½ - .21½
smaller dms., works lb. .23½ - .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works. lb. .70 - —
Pyrophosphate, 40% cns., dms., works lb. .80 - —
Tetraethylenepentamine, dms., c.l., works lb. .51½ - —
t.c.l., works lb. .52 - —
tanks lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd lb.12.50 -15.00
sulphate, 99%, bots., dlvd lb.10.50 -13.00
Theobromine, fib. dms lb. 4.50 - 4.55
Salicylate, fib. dms lb. 4.00 - 4.05
with sodium acetate, USP, dms lb. 3.65 - 3.70
Sodio-salicylate, fib. dms lb. 2.90 - 2.95
Theophylline, anhyd., or USP, 100-lb dms lb. 5.50 - —
Thiamine hydrochloride, USP, bots., 100 grams kilo.160.00 - —
Mononitrate, bots., 100 grams kilo.160.00 - —
Thiocarbanilide, dms lb. .40 - .42
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works lb 5.50 6.60
Thiourea, tech., dms., c.l., works lb. .44 - —
t.c.l., works lb. .46 - —
Thorium nitrate, cs., works lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 - —
Thyme, French, bgs lb. .15 - .16
Spanish, bls lb. .08½ - .09
Thymol, kgs. lb. 3.50 - —
Iodide, NF, dms lb. 6.60 - 6.70
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms., works lb. .829 - .839
Crystals, hydrous, bgs., bbls., works lb. .68 - —
Metal lb. .97 - —
Oxide, bbls lb. .98½ - .99½
works lb. .94 - .96
Tetrachloride, anhyd., dms., works lb. .57 - .58
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd lb. .19½ - —
t.c.l., dlvd lb. .20 - .20½
chalk-resistant, bgs., c.l., dlvd. lb. .19½ - —
t.c.l., dlvd lb. .20 - .20½
plain, bgs., c.l., dlvd lb. .19½ - —
t.c.l., dlvd lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works lb. .05 - —
5-ton lots, works lb. .05¼ - —
milled, bgs., c.l., works lb. .05¼ - —
5-ton lots, works lb. .05½ - —
nonchalking, bgs., c.l., dlvd E. lb. .21½ - —
t.c.l., dlvd. E lb. .22 - .22½
Hydride, cns., works lb 7.00 8.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd lb. .07½ - .07¾
t.c.l., dlvd. lb. .08 - .08¾

Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., t.c.l., ex whse. ½c. higher.

Tetrachloride, CP, 55 gal. dms lb. .57 - .58
smaller, pkgs., works lb. .65 - 1.22
technical, 5-gal. dms., works lb. .32 - —
smaller pkgs., works lb. 40 1.00
Tolu balsam, cns., dms lb. 3.40 - 3.50
Toluene (see Toluol).
Tolidin base, distilled, kgs lb. 1.10 - —
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa gal. .24½ - —
Birmingham dist gal. .23¼ - —
Chicago district gal. .25½ - —
Cleveland district gal. .25¾ - —
Lone Star, Tex gal. .24½ - —
Geneva, Utah gal. .18¼ - —
Hamilton, Ohio gal. .25 - —
Johnstown, Pa gal. .23 - —
Lackawanna, N. Y. gal. .26 - —
Lorain, Ohio gal. .24 - —
Minequa, Colo. gal. .23½ - —
Philadelphia, Pa. gal. .26½ - —
Pittsburgh district gal. .23 - —
Sparrow's Point, Md. gal. .24½ - —
St. Louis, Mo. gal. .26 - —
Syracuse, N. Y. gal. .23½ - —
Terre Haute, Ind. gal. .26½ - —
Wyandotte, Mich gal. .26 - —
Youngstown, Ohio gal. .23½ - —
Petroleum, industrial, 2° tanks, works—
Albany, N. Y. gal. .30 - —
Bayonne, N. J. gal. .30 - —
Baytown, Tex. gal. .28 - —
Chicago, Ill. gal. .30 - —
Detroit, Mich. gal. .30 - —
Philadelphia, Pa. gal. .30 - —
Providence, R. I. gal. .30 - —
Wood River, Ill. gal. .28 - —
Tonga, 50% bark and vine bls. lb 80 95
Tonka beans, Angostura, cks. lb. 1.75 - 1.80
Brazilian, cs lb. 1.00 - 1.15
Surinam, cs. lb. 1.00 - 1.15
Toxaphene, dms., works, c.l lb. .20 - —
truckloads, works lb. .20 - —
ton to truckloads, works lb .23 - —
less than tons, works lb. .26 - —
Totaquine, 100-oz. tots oz. .42 - —
Triacetin, dms., dlvd lb. .35½ - —
Tributyl citrate, dms. lb. 41 - .43
smaller containers lb. 46 - .52
Phosphate, dms. c.l. frt. allod lb. .56½ - —
t.c.l., same basis lb. .57½ - —
smaller containers lb. 71 - —
Tributylamine, dms., c.l., frt. alld. lb. .73¾ - —
t.c.l., same basis lb. .75¾ - —
tanks, same basis lb. .77 - —
Trichlorobenzene, dms., c.l., works, frt. alld lb. .10½ - —
t.c.l. frt. alld. lb. .11½ - —
tanks, frt. alld. lb. .09 - —
Prices in the West, 1¾c. higher.
Trichloroethane, dms., c.l., works. lb. .13 - —
t.c.l., works lb. .13½ - —
tanks, works lb. .11½ - —
Trichloroethylene, dms., c.l., or truckload, works, frt. equald. lb. .10½ - —
t.c.l., same basis lb. .11¼ - —
tanks, same basis lb. .10 - —
Trichloroethylene, dms., c.l., dlvd. E lb. .11¼ - —
t.c.l., dlvd. E lb. .11¾ - —
tanks, dlvd. E lb. .10¼ - —
Tricholine citrate, 65% solut., ret., cbys., works, frt. adjusted lb. 2.10 - 2.15
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .31½ - —
t.c.l., dlvd lb. .32½ - —
tanks, dlvd lb. .30 - —
petroleum, dms., c.l., dlvd lb. .31½ - —
t.c.l., dlvd lb. .32½ - —
tanks, dlvd lb. .30 - —
Triethanolamine, dms., c.l. frt. alld. E lb. .23 - —
t.c.l., same basis lb. .24 - —
tanks, same basis lb. .21½ - —
Triethylamine, dms., c.l., works, frt. alld. E lb. .31¾ - —
t.c.l., same basis lb. .32¾ - —
tanks, same basis lb. .30 - —
Triethyl citrate, dms lb. .34 - .36
smaller containers lb. .39 - .45
Phosphate, dms., works, c.l lb. .38 - —
t.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld., E lb. .20½ - —
t.c.l., same basis lb. .21½ - —
tanks, same basis lb. .19 - —
Triethylenetetramine, dms., c.l., works lb. .51½ - —
t.c.l., works lb. .52 - —
tanks lb. .50 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald, 100% basis, lb. .38 - —
t.c.l., works, frt. equald, 100% basis lb. .38½ - —
tanks, works, frt. equald., 100% basis lb. .33 - —
Trimethylhexanol, dms., c.l., works, lb. .29½ - —
t.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Tripentaerythritol, bgs., t.c.l., works. lb. .36 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .33 - —
t.c.l., frt. equald lb. .34 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli air-floated, bgs., c.l., works. lb. .0175 - —
double-grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Trisodium fluoroacetate (see sodium fluoroacetate tribasic).
Trisodium phosphate (see Sodium phosphate, tribasic).
Trypsin, 1:25, dms., works lb 2.30 - —
1:50, dms., works lb 4.25 - —
1:75, dms., works lb 5.50 - —
1:100, fib. dms., works lb 5.50 - —
Tryptophane, dextro-laevo, fib. ctns. works kilo.207.00 -242.00
Tuba root (see Cube root).
Tungsten metal powd., 99.9%, dms. works lb. 4.50 - 4.75
Oxide, kgs., works lb. 2.85 - —
Turmeric root, Alleppey, bgs lb. .32 - .35
Haitian, bgs. lb. .10 - .10¼
Jamaica, bgs. lb. .10 - .10½
Madras, bgs. lb. .16 - .16½
Turpentine, gum (see Naval Stores Protective Coatings market)
Sulphate, ret. dms., East gal. .47 - .56
Wood, dest.-dist., dms., incl., c.l., works, South gal. .40 - —
t.c.l., same basis gal. .41 - —
N. Y. whse gal. .47 - —
tanks, works, South gal. .27½ - —
Tyrothricin, bots. gram. 1.00 - 1.10
steam-dist., dms., incl., c.l., works gal. .50 - —
t.c.l., works, South gal. .56 - —
ex whse., NYC gal. .68 - —
tanks, works gal. .37 - —

U

Urethane, USP dms lb. 1.25 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs lb. 2.55 - —
yellow, kgs. lb 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. lb. .04½ - —
t.c.l., works lb. .05 - —
42% N, bulk, c.l., 30 tons, frt. alld, Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton.94.00 - —
bulk, distributors, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ton.116.00 - —
Urea-ammonia liquor, A and B grades, N basis, Belle, W. Va. ton.125.00 - —
C and D grades, same basis, ton.123.50 - —
37 grade, same basis ton.147.50 - —
Uva ursi leaves, bls lb. .08 - .10

V

Valerian root, Belgian, NF, bls lb. .40 - .45
Valine, dextro-laevo, dms., works lb 22.50 - 27.50
Valonia beards, bgs., ex dock ton.78.00 Nom.
Cups, bgs., ex dock ton.53.00 - —
Extract, powd., bgs., ex dock, duty extra lb. .09½ - —
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 - —
tech, dms., works lb 1.00 - 1.06
Vanilla beans, Bourbon, tins lb. 4.00 - 4.25
Mexican, cuts, tins lb. 6.50 - 6.75
whole, tins lb. 7.25 Nom.
Tahiti, cs. lb. 2.75 - 3.25
Vanillin, ex eugenol, tins, 25 lbs lb 4.00 - —
smaller lots lb 4.05 - —
ex guaicol, tins, 25 lbs lb 3.00 - —
smaller lots, tins lb 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb 3.00 - —
smaller lots, tins lb 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works. lb. .16 - .16½
5-gal. cns., works lb. .30 - —
tanks, works lb. .15 - —
Butylether, normal, tech., dms., c.l., works lb. .28 - —
t.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Ether (see Ether, divinyl).
Ethylether, tech., dms., c.l., wks. lb. .28 - —
t.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
t.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Methylether, cyls., works lb. .30 - —
tanks, works lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works lb 1.50 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units. 1,000,000 units. .025 - —
lots of 1 billion USP units. 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in neutral vegetable oil, 400,000 or 1,000,000 D units per gm., bots., lots of 10 billion USP units 1,000,000 units. .02 - —
lots of 1 billion USP units. 1,000,000 units. .025 - —
lots of less than 1 billion USP units. 1,000,000 units. .03 - —
Vitamin A, natural, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .15 - —
lots of less than 500 million units 1,000,000 units. .19 - —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .17 - —
lots of less than 500 million units 1,000,000 units. .21 - —

Prices above are based on the USP XIII method of conversion, E = 1894.

Vitamin A, natural, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .16 - —
lots of less than 500 million units 1,000,000 units. .20 - —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .18 - —
less than 500 million units. 1,000,000 units. .22 - —

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E = 1900.

A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units, per gm. 1,000,000 units. .18 - —
A, synthetic, palmitate, 800,000 A units per gm., frt. adjstd. 1,000,000 units. .18 - —
B (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxin hydrochloride).
B_{12}, vials, 25 100 and 500 milligram lots, milligram. .98½ - —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (see Calciferol).
Vitamin E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls lb. 1.50 - 1.75
Tree bark, bls lb. .55 - .75
Warfarin, dms., 50 lbs., f.o.b. N. Y. or Chicago lb. 1.95 - —
25-49 lbs., same basis lb. 2.05 - —
5-24 lbs., cns., same basis lb. 2.15 - —
Wattle bark, fair average, or E. Afr., bgs., ex dock ton.67.50 - —
merchantable, bgs., ex dock ton.65.00 - —
extract, liquid, 35% tannin, bbls., works lb. .07½ - .08
solid, E. Afr., 61% tannin, ex dock, duty extra lb. .07¼ - —
S. Afr., 62% tannin, ex dock, duty extra lb. .07¼ - —
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs., spot lb. .44 - .45
Bees, bleached, USP, bricks, cs. lb. .62 - .63
slabs, bgs lb. .61 - .62
crude, African, bgs lb. .49 - .50
Brazilian, bgs lb. .49 - .50
Cent. American, bgs lb. .47 - .48
refined, yellow, bricks, cs lb. .52 - .53
slabs, bgs. lb. .51 - .52
Candelilla, crude, bgs lb. .55 - .60
refined, bgs lb. .62 - .67

Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, bgs., ton lots. lb. No stocks.
North Country, No. 2, ton lots. lb. .85 Nom.
No. 3, crude, bgs., ton lots. lb. .80 - .85
refined, bgs., ton lots. lb. .86 - .90
yellow, No. 1, bgs., ton lots. lb. 1.05 - 1.10
No. 2 lb. 1.03 - 1.08

Powdered carnauba price differentials same as powdered candelilla.

Japan, bgs. lb. .62 - .67
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000 lbs., group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 - —
black, ctns., 20,000 lbs., same basis lb. .12½ - —
Less than 20,000 lbs., same basis lb. .13½ - —
white, ctns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 - —
180°-185° m.p., ASTM, black, ctns., 20,000 lbs., same basis lb. .14½ - —
Less than 20,000 lbs., same basis lb. .15½ - —
amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis lb. .17 - —
white, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .28 - —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20½ - —
Less than 20,000 lbs., same basis lb. .21½ - —
black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
white, ctns., 20,000 lbs., same basis lb. .33½ - —
Less than 20,000 lbs., same basis lb. .34½ - —
Montan, dom., black, raw lb. .25 - .25½
refined lb. .31 - .32
imported Bohemian, bgs lb. .15 - .17
German, bgs. lb. .16 - .18
Ouricury, refined, bgs., ton lots. lb. .80 - .85
Paraffin (see P.).
Spermaceti, blocks, cs lb. .24 - .27
cakes, cs. lb. .25 - .28
Sugar cane, crude, imp., bgs lb. .35 - .37
refined, dom., slabs., works lb. .60 - .65
imp., bags, N. Y. lb. .40 - .42
White lead (see Lead, white).
White pine bark, rossed, bls lb. .16 - .19
White precipitate, USP, powd., dms., 50 lbs lb. 2.00 - —
Whiting, limestone, dry-grd., 99.5%, 325 mesh, bgs., c.l., works, ton. 6.00 -10.00
smaller lots, works ton. 6.50 -15.00
wet-grd., bgs., c.l., works ton.16.00 -30.00
smaller lots, works ton.21.00 -35.00
Paris white, bgs., c.l. ton.24.00 -31.00
t.c.l. whse. ton.25.00 -40.00
Precipitated, bgs., c.l. ton.18.00 -20.00
t.c.l. ton.25.00 -35.00
Wild cherry bark, thick, natural, bls. lb. .06 - .07
rossed, bls lb. No prices.
thin, natural, bls lb. .13 - .16
rossed, bls. lb. .16 - .17
Wild indigo root, bls lb. .30 - .31
Wild yam root, bls lb. .16 - .17
Witch hazel leaves, bls lb. .23 - .25

Woodflour, 40 mesh, bulk, c.l., works, East ..ton 32.00 - —
l.c.l., same basis ..ton 40.00 - —
60 mesh, bulk, c.l., same basis ..ton 37.00 - —
basis ..ton 37.00 - —
l.c.l., same basis ..ton 45.00 - —
80-100 mesh, bulk, c.l., same basis ton 40.00 - 45.00
l.c.l., same basis ..ton 50.00 - 55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs. ..lb. .13 - .14
Levant, bgs. ..lb. 4.50 - 5.00
Wormwood leaves, bls. ..lb. .35 - .45

X

Xanthorrhiza root, bls. ..lb. .28 - .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l., works, frt. equald .. lb. .193 - —
l.c.l., same basis .. lb. .196 - —
tanks, same basis .. lb. .18 - —
45°-47°C., dms., c.l., frt. equald .. lb. .153 - —
l.c.l., same basis .. lb. .156 - —
tanks, same basis .. lb. .14 - —
fractions, over 7°C., b.p., except meta, dms., c.l., same basis .gal. .91 - —
l.c.l., same basis .. gal. .94 - —
tanks, same basis .. gal. .80 - —
Meta fraction, over 7°C., dms., c.l., same basis .gal. 1.01 - —
l.c.l., same basis .. gal. 1.04 - —
tanks, same basis .. gal. .90 - —
Xylidins mixed, dms .. lb. .45 - .50
Xylol, coaltar, industrial, tanks, works—
Bethlehem, Pa. ..gal. .27 - —
Birmingham district ..gal. .24½- —
Chicago district ..gal. .27½- —
Cleveland district ..gal. .27 - —
Lone Star, Tex. ..gal. .25 - —
Geneva, Utah ..gal. .19¾- —
Hamilton, Ohio ..gal. .26 - —
Johnstown, Pa. ..gal. .25 - —
Lackawanna N. Y. ..gal. .27 - —
Lorain, Ohio ..gal. .25¼- —
Minequa, Colo. ..gal. .27 - —
Philadelphia, Pa. ..gal. .27 - —
Pittsburgh district ..gal. .24 - —
Sparrows Point, Md. ..gal. .27 - —
St. Louis, Mo ..gal. .28 - —
Syracuse, N. Y. ..gal. .24½- —
Terre Haute, Ind. ..gal. .27 - —
Wyandotte, Mich. ..gal. .27 - —
Youngstown, Ohio ..gal. .24½- —
Petroleum, indust., 10°, tanks, works:—
Albany, N. Y. ..gal. .30 - —
Bayonne, N. J. ..gal. .30 - —
Baytown, Tex. ..gal. .28 - —
Chicago, Ill. ..gal. .30 - —
Detroit, Mich. ..gal. .30 - —
Philadelphia, Pa. ..gal. .30 - —
Providence, R. I. ..gal. .30 - —
Wood River, Ill. ..gal. .30 - —

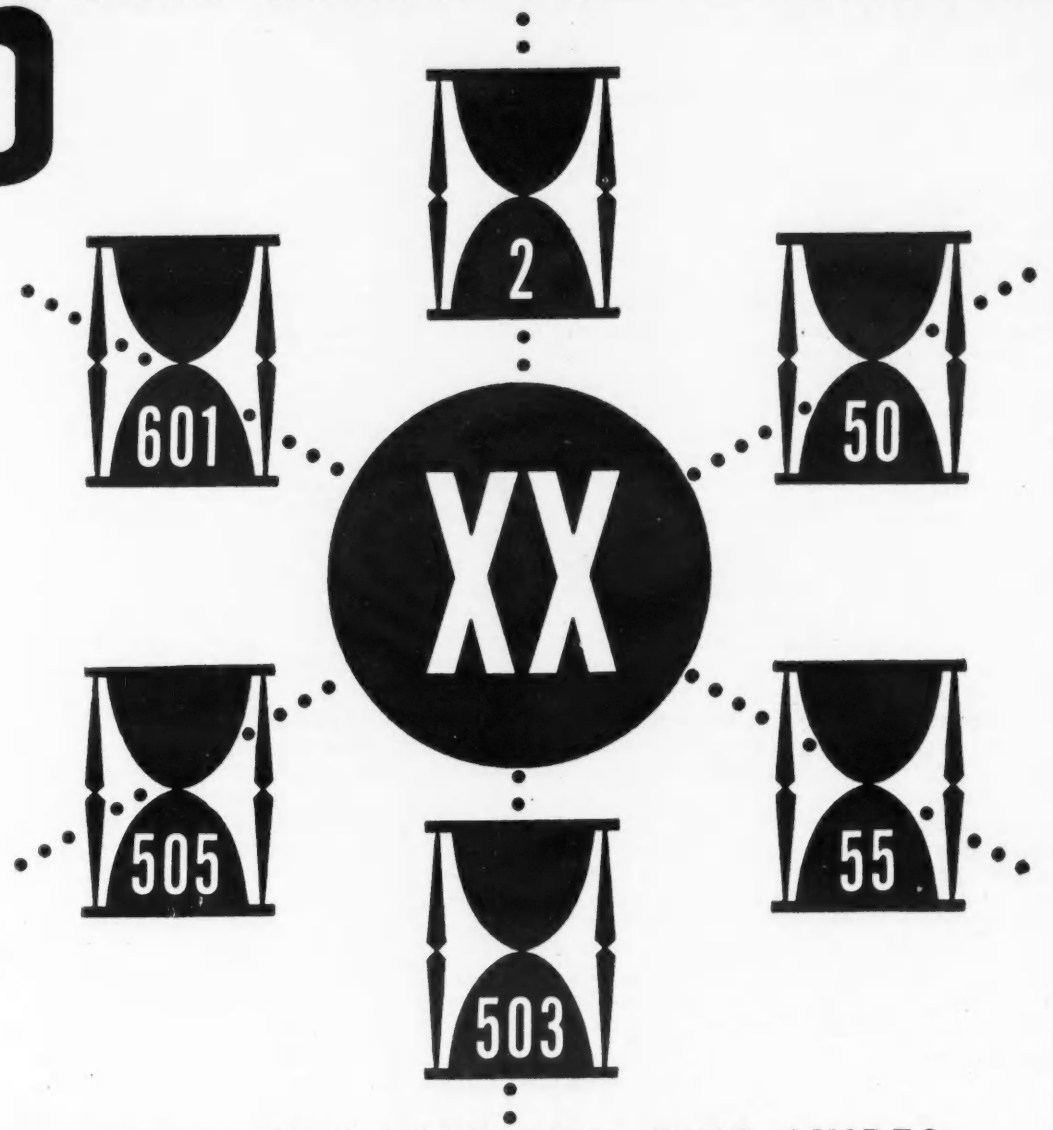
Y

Yara, yara, cns. ..lb. 2.00 - 2.25
Yeast, brewer's dry, USP, 50 B units per gram, 100-lb. dms lb. .44 - .46
80 B units per gram, 100 lb. dms lb. .49 - .51
200 B units per gram, 100 lb. dms lb. .53 - .53
300 B units per gram, 100 lb. dms lb. .57 - .58
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul ..lb. 2.80 - —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below
Benzidin, bbls., dlvd. ..lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies ..lb. 2.65 - 2.80
Lithopone all shades, bbls., frt alld. E. of Rockies ..lb. 1.02 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse l.c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock apolis, Rock Island lb. .25 - —
Dlvd Ala., Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, bbls., same basis as chrome lb. 1.60 - 1.70
Primrose, bbls., same basis lb. 1.90 - 2.10
Iron oxide, natural, bgs., c.l., works lb. .0141- .0250
l.c.l., works lb. .0166- .0275
French type, bgs., c.l. ..lb. .04½- —
l.c.l. ..lb. .04¾- —
Peruvian type, bgs., c.l. lb. .0185- .0210
synth., bgs., c.l., works ..lb. .09½- —
l.c.l., works ..lb. .09¾- —
Mercury oxide, bbls., 1,000 lbs lb. 1.93 - —
smaller lots ..lb. 1.95 - —
Ocher, American golden, bgs., works lb. .01¼ .02¾
Zinc, bnts, same basis as chrome lb. .21 - —
Yellow dock root, bls lb. .16 - .25
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls ..lb. .28 - .30
Yohimbine hydrochloride, vls. ..oz. 3.25 - 4.00

Z

Zein, bgs., 36,000 lbs., works ..lb. .30 - —
1,000 lbs. to 36,000 lbs., works lb. .32 - —
smaller lots, works lb. .35 - —
Zinc acetate, tech., bbls., dms lb. 26¼- —
NF, dms. ..lb. .41 - —
Borate, bgs., c.l., dlvd. E ..lb. .17½- —
l.c.l., dlvd. E ..lb. .18½- —
Carbonate, purified, powd., dms. lb. .26 - —
tech., rubber makers', bgs., works lb. .10¾- .11¼
precipitated, powd., dms. lb. .26 - —
Chloride, tech., fused, dms., c.l., works ..100 lbs. 7.70 - —
l.c.l., works ..100 lbs. 8.10 - —
gran., bbls., c.l., works 100 lbs. 8.45 - —
l.c.l., works ..100 lbs. 8.85 - —
solution, 50%, dms., c.l., works, 100 lbs. 4.25 - —
l.c.l., works ..100 lbs. 4.85 - —
tanks, works ..100 lbs. 3.60 - —
NF, gran., dms ..lb. .42 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., works ..lb. .422 - .442
Dust, bbls., c.l., works ..lb. .1225- —
dlvd. ..lb. .1250- —
l.c.l., works ..lb. .1260- .1325
Fluoride, bbls., works ..lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld. lb. .17¼- —
l.c.l. ..lb. .17¾- .19¼
Zinc iodide, NF, jars ..lb. 4.85 - —
Laurate, bbls ..lb. .45 - .46
Linoleate, solid, 9½%, bbls ..lb. .42½- —
Metal, slabs, E. St. Louis ..lb. .15 - —
Naphthenate, liquid, 8% Zn., frt. alld lb. .20¼- —
10% Zn, dms., frt. alld ..lb. .26 - —
Oleate, fused, bbls ..lb. .36 - —
Oxide, pigment, dom., acicular, bgs., c.l., dlvd. ..lb. .14¾- —
l.c.l., dlvd ..lb. .15¾- —
American process, com'l, lead-free, bgs., c.l., dlvd. ..lb. .14¾- —
l.c.l., dlvd ..lb. .15¾- —
leaded, 5%, bgs., c.l., dlvd. ..lb. .14¾- —
l.c.l., dlvd ..lb. .15¾- —
35%, bgs., c.l., dlvd. lb. .14¼- —
l.c.l., dlvd ..lb. .15¼- —
50%, bgs., c.l., dlvd. lb. .14 - —
l.c.l., dlvd ..lb. .15 - —
French process, com'l, lead-free, bgs., c.l., dlvd. ..lb. .17 - —
l.c.l., dlvd ..lb. .18 - —
green seal, bgs., c.l., dlvd. ..lb. .16½- —
l.c.l., dlvd ..lb. .17½- —
red seal, bgs., c.l., dlvd. lb. .16 - —
l.c.l., dlvd ..lb. .17 - —
white seal, bgs., c.l., dlvd. ..lb. .17 - —
l.c.l., dlvd ..lb. .18 - —
USP, ctns., c.l., dlvd ..lb. .17¼- —
l.c.l., dlvd ..lb. .18¼- —
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.
Phenolsulphate, dms. ..lb. .36 - —
Resinate, fused, 1% Zn, dms., frt. alld lb. .20 - —
precip., dms., frt. alld ..lb. .22½- —
Zinc silicofluoride, bbls., works ..lb. .10 - .10½
Stearate, tech., USP, ctns., c.l. ..lb. .34 - —
ton lots ..lb. .35 - —
less ton lots ..lb. .36 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld ..
100 lbs. 6.15 - —
l.c.l., same basis ..100 lbs. 6.55 - —
flake, 25½% Zn, bgs., c.l., works, dlvd ..100 lbs. 4.80 - 5.35
l.c.l., works ..100 lbs. 5.75 - 8.25
powdered, 36% Zn., bgs., c.l., dlvd., same basis ..100 lbs. 8.25 - —
l.c.l., same basis ..100 lbs. 9.00 - —
Zinc sulphate in bbls. 40c higher
USP, gran., dms ..lb. .23 - .23½
Sulphide, pure, bgs., c.l., dlvd. lb. .20 - —
l.c.l., dlvd ..lb. .21 - —
Barium pigment, bgs., c.l., dlvd lb. No prices.
l.c.l., dlvd ..lb. No prices.
Calcium, pigment, bgs., c.l., dlvd lb. No prices.
l.c.l., dlvd ..lb. No prices.
Luminescent pigment, dlvd lb. No prices.
Magnesium pigment, bgs., c.l., dlvd lb. No prices.
l.c.l., dlvd ..lb. No prices.
Zinc sulphide and pigment, Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.
Thionosulphonate, NF, gran., bbls., dms lb. .33 - .34
powd., bbls ..lb. .36 - .37
Undecylenate, dms ..lb. 1.90 - 2.00
Yellow (see Yellow, zinc)
Zinc-ammonium chloride, bgs., c.l., works ..100 lbs. 7.35 - —
l.c.l., works ..100 lbs. 7.75 - 10.25
Zinc-cadmium sulphide, fluorescent, cns., frt. alld lb. 2.00 - 2.80
Zinc-calcium resinate, dms., c.l., works lb. .1180- .1360
l.c.l., same basis ..lb. .1220- .14
Zinc-formaldehyde sulphoxalate, basic, dms., works lb. .21½- —
normal, dms., works ..lb. .43 - —
Zircon (see Zirconium silicate).
Zirconium acetate, 13% sol. ZrO_2, bbls., works lb. .21¼- —
Carbonate, basic, cake, bbls., works lb. .30½- —
Hydride, cns., works ..lb. 7.00 - 8.00
Nitrate, dms., works ..lb. 1.75 - —
Oxide, 98½-99% white, grd., bbls. or bags, works lb. 1.50 - —
lump, electric-fused, bgs., c.l., works lb. .44 - —
5 tons, works ..lb. .44½- —
1 ton or less, works ..lb. .45 - .48
milled, electric-fused, bgs., c.l., works lb. .59 - —
5 tons, works ..lb. .59½- —
1 ton or less, works ..lb. .60 - .63
Oxychloride, crvst., ctns., 5 tons, works lb. .29½- —
Silicate, granular, bgs., c.l., works, lb. .03¼- .03¾
10 tons, works ..lb. .03½- .04
5 tons, works ..lb. .04 - —
1 ton or less, works ..bl. .04¼- .04¾
milled, bgs., c.l., works ..lb. .04¾- —
5 tons, works ..lb. .05¼- —
1 ton or less works ..lb. .05¾- .06¾
refined, bgs., c.l., works ..lb. .11 - —
works ..lb. .11 - —
5 tons, works ..lb. .11½- —
1 ton or less, works ..lb. .12 - .16
Sulphate, cryst., ctns., c.l., works, lb. .37½- —
5 tons, works ..lb. .38 - —
1 ton or less, works ..lb. .38¼- .39

6 TIME SAVERS FOR FORMULATORS



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Volume 158 July 31, 1950 Number 5

Financing the Job

Largely because of an abysmal lack of realism through the so-called "postwar" period, the policeman's job of the United States in putting down the disturbance of the peace in Korea is going to cost very much in money and far too much in lives, President Truman has laid out a scheme for raising the money. He cannot raise the dead.

The President's scheme for financing the fight has already brought a request for additional taxes which will raise $5,000,000,000 a year. That is not necessary. Those who are talking about facing the tax necessity are out of line with what should be the concept of today's need. Economy, not income, is what the government should seek. It can save enough by abolishing unjustifiable, often inequitable, expenditures to meet the obligations which its new task presents.

There is talk in Washington about the necessity to add 100,000 more persons to the government payroll, at a cost of $350,000,000 or more a year. That, also, is unnecessary. There are enough employees in the government service now, who are not earning their keep, to man all the jobs that the Korean undertaking or its possible extensions will require. What is needed is that they be transferred to necessary work. The number of government employees in the executive departmnt was more than doubled in the ten years up to 1949. It has been reduced somewhat; but there are still, at least, two employees for every actual job.

The President has done well in ordering some fourteen governmental agencies to cut down their expenditures. That order should be mandatory upon every unit of every agency.

The members of congress who have been doing the talking for bigger and broader taxation are getting pats on the back, even in the more intelligent of the public press. They are praised for arguing that everybody should be taxed to the extent that nobody will be able to buy anything at the steadily increasing costs of everything. Such taxation, they say, will make it unnecessary to lay any controls on those who would go a-profiteering. Such reasoning is asinine. Why should everybody be penalized, in the face of profiteering, in order that some theoretical check might be put upon that practice? It is true that the laws against larceny apply to those who have no inclination to commit that crime; but, they are not required to pay the penalty attaching to commission.

This is no time to add to the overall cost of government. That organization should do as business houses must do—adapt itself to the exigencies of circumstances. It should use its money for the job in hand and, at least, temporarily abandon the wholly foreign business of paying half a million employees for doing nothing necessary and subsidizing with hundreds of millions of dollars many times that number of agricultural and other votes.

The President has called for sacrifices: they should begin at home. The situation calls for cutting down costly government generosities, not for shaking down those who work for a living. Controls are needed. It is not fair to seek to avoid them by means of confiscations.

Every person who pays a federal tax should tell his congressional representatives exactly that.

Realism Is Needed

In the advice and warnings and other attempts to counteract the tendency to hoard when shortages threaten, entirely too much emphasis is laid upon what is popularly styled "scare buying." The place to stop hoarding is on the selling side.

Some attempts are being made by sellers to control the disposition of their stocks. Much of this is of very little help; some of it is harmful. There is, for example, the grocer who bewails the fact that "that pig" just took home a hundred dollars' worth of canned goods—"but I limited her to 5 pounds of sugar." Why didn't he put a limit on her other buying? There are the grocers in this region who, so reports have it, are limiting purchases of sugar to one-half pound. No limits are put on anything else in most cases. That limit on sugar is asinine. The quantity is not worth handling, and the severe limiting which it represents leads inevitably to the inference that sugar is scarce—and that is the motivation of scare buying.

Intelligence without wisdom is the curse of the human race. That appears, also, to be an increasingly prevalent characteristic. There are bills aimed at controls before congress. One of them would authorize the sale of government surpluses at support prices in the combating of profiteering. The chairman of the senate committee on banking seeks to amend the bill so that surplus foodstuffs cannot be sold at less than market prices. Now, just what would that do against profiteering? The Secretary of Agriculture is urging that governmental surpluses of agricultural commodities be sold at a loss if necessary to combat price-boosting. His wisdom is not dulled by the necessity of being reelected. But, he asks for $50,000,000 to pay for carrying the surpluses to "central distributing points!"

Talking to the banking committee, the chairman of the National Security Resources Board is reported to have said that controls "are essential to reduce inflationary processes," citing the fact that prices of twenty-eight commodities had been put up 10 percent in the month following the start of the Korean mess. That is a wise deduction; but, according to the report, the chairman went on to say that price-control and rationing, "in view of the general abundance of consumer goods . . . should not be immediately necessary." What was that abundance doing while those twenty-eight commodities were being upped 10 percent? When the rice markets were "strengthening" materially? When fourteen dealers in New York city were charged before the commissioner of markets with hoisting the price of sugar? When meat prices were being edged to still higher marks?

There is need for controls. This should not mean governmental control. And those who urge that emergency control schemes must be safeguarded against nationalization of business should realize that the surest way in which to get nationalization is to open the door to it by failure to exercise adequate self-control. There must be control. In fact, it is overdue.

For the Bookshelf

DRUG RESEARCH AND DEVELOPMENT. Edited by Austin Smith and Arthur D. Herrick. Cloth; xi + 596 pages. New York: Revere Publishing Company. $10.

The stated purpose of this book is to promote working knowledge of drug research and development as a whole and of the many tasks which that entails. The best idea of the manner and the extent of its approach to that goal can be got from a glance at what it collates and who contributed it. So, here goes:—

The modern drug formula, by Arthur D. Heerrick and Austin Smith. Chemistry of the formula, by Amel R. Menotti. Pharmacology of the formula, by Harvey B. Haag, Laboratory research, by M. L. Tainter. Development of biologicals, by Charles L. Linegar. Clinical testing, by Windsor C. Cutting. Development of facilities and controls, by Edgar B. Carter. Labels and labeling, by John G. Searle. Packaging and storage, by R. H. Rhodehamel. The product and the patent law, by Edward Thomas. Drug trademarks and labels, by Walter J. Derenberg. Drug regulation, by Arthur D. Herrick. New drug applications, by Walton Van Winkle, jr. Biologic control regulations, by Walter E. Ward. Drug certification, by Walton Van Winkle, jr. Council acceptance, by Austin Smith. Product development, promotion, and marketing, by Robert A. Hardt. Advertising, by Charles S. Downs. "Detailing" the physician, by Thomas H. Jones. Professional acceptance, by Austin Smith. Retail price maintenance, by Isaac W. Digges.

Everybody who knows anybody in the drug industry will know that that is a competent crew. It can be said that each has done what was to be expected from him. The result is a very useful book—and it has a helpful index.

CHEMICAL ENGINEER'S HANDBOOK. Prepared by a staff of specialists; John H. Perry, Ph.D., editor. Third Edition. Cloth; xv+1942 pages, illustrated. New York: McGraw-Hill Book Company. $15.

One hundred forty-one specialists are named in the list of contributors to this handbook. Their contributions are arranged in thirty sections, covering all manner of aspects of the multiphase practice of chemical engineering, from accounting and cost-finding to spray ponds. This edition has been fully revised to keep pace with the theory and practice of its subject in order that its status as a standard may be recent, as well as sound.

The thousands who know "Perry" will welcome this new edition, and will be pleased with its larger page size, as well as with its larger scope. They will not so much miss the treatises on reports and report-writing, qualitative analysis, and organic chemistry, which have been dropped, as they will gain from the additions:—General theory of diffusional operations; furnaces and kilns; size enlargement; azeotropic, multicomponent, extractive, and molecular distillations, and dialysis.

"Perry" has come to be known widely as a guide to quick answers to specific problems and questions, a dependable source of principles, data, standards, and practices in all branches of chemical engineering, an indispensable tool making possible the saving of much time and effort in the demands of every day. The arrangement of the contents—thumb-indexes of the sections and a list of their subjects at both ends of the book—makes for facility and speed of reference. The standard, well established, assures the adequacy and accuracy of what is given.

Chemical engineers and those whose work lies in areas of related chemistry or engineering who are not acquainted with "Perry" will wisely lose no time in remedying that lack. They will find the handbook as helpful as a goodly staff of consultants.

Washington Talks It Over

—*Continued from page 5*

and Floyd W. Reynolds is assistant chief, continuing in the posts they held prior to the transfer.

Tung Nuts Helped by Shade

There's a real commercial value in a tree's shadow in the growing of tung nuts. Working on problems in culture of tung nuts, Department of Agriculture scientists have found facts that give real weight to the shadows that blanket the root area of the tree. This is particularly true of low-headed, vase-form trees which cut off much of the sunlight from an 8-foot circle under each tree. Such trees result either from suitable pruning or use of tung varieties that are naturally low-headed.

The research men, Marshall Neff and Edmund O'Rourke, of the Bureau of Plant Industry, Soils and Agricultural Engineering, have worked with low-headed trees since 1938, comparing them with upright, or "natural-headed" trees that branch much farther from the ground and let in more sun. Over the years, and with other factors equal, the low-headed ones have given twice the yield of the high-headed ones, about 50 pounds to the tree as compared with about 25 pounds on the average for the high-headed type.

Dr. H. L. Crane, in charge of nut investigations for the bureau, thinks the researches have demonstrated a most important factor in the efficiency of these trees and in economy of operation of tung orchards. The gains come from elimination of weeds immediately around the tree; from conservation of moisture and plantfood; from more active soil processes (because of more even moisture) that make more plantfood available; and from less cultivation being required.

Lobbyists More Informative

There has been a lot of criticism over the way the Buchannan lobby investigating committee of the house has been proceeding. The committee is charged with being too slow and with being partial in its work—bearing down hard on those organizations which have been finding fault with administration doings while skipping over those groups that believes everything the administration does is okay. It has yet to begin looking into the operations of the labor organizations which are noted for their strong-armed tactics when things start moving against them in congress.

Be that as it may, one thing the committee has done, however, is to scare a lot of people and organizations into registering with the clerks of the senate and house, and providing congress with a great deal more detailed information on their expenditures than in the past. The July 14 issue of the Congressional Record carried the most complete compilation ever assembled of the information filed with congress in any calendar year under the lobby registration act of 1946.

It contained reports from 333 "lobbying" organizations, which is more than was ever filed for any previous quarter, and it contained 961 quarterly reports from paid lobbyists or legislative agents, which was also more than were ever filed in any previous quarter. Thirdly, both the organization and individual lobbying reports filed this time were more complete and more candid and gave infinitely more information than those filed for any quarter before this.

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Heavy Chemicals

Prices continued to slant upward last week. The advances included red phosphorus, sodium stannate, sodium tungstate, tetraethyl pyrophosphate, tin chloride, crystals, metal, oxide, sulphate and tin tetrachloride. Quicksilver also advanced sharply under a substantial increase in demand. The tin market was sensitive and was easily influenced on news emanating from Korea and the violent price changes recorded in London and Singapore.

Buying interest in heavy chemicals increased with consumers bent on building up inventories and producers attempting to hold shipments within normal dimensions. Another alkali plant has been forced to close down on account of labor difficulties and the current alkali production is now estimated at 40 percent of capacity. These conditions have brought supplies of soda ash, dry caustic, chlorine and various other chemicals made by these strike-bound plants to a critical stage and have seriously disturbed the major part of the heavy chemical market. More producers have been forced to adopt an allocation program and the supply outlook at present cannot be construed as favorable.

Domestic production levels of industrially important inorganic chemicals were generally higher than those reported for May, 1949, or April, 1950, according to the Bureau of the Census. Of the 37 chemicals included in the survey, 30 were produced in larger volume and 3 in smaller volume than for the corresponding period of last year. In comparison with last month's figures increases were reported for 25 chemicals while production declines occurred for 12. May production was the highest on record for muriatic, phosphoric, and sulphuric acids, chlorine, activated carbon, chrome yellow and orange, and calcium phosphate (dibasic). Production of caustic soda by the electrolytic process also reached an all-time high, although the total, by all processes, was about 1 percent less than the monthly production record of 221,605 tons produced in December, 1948.

Canada's exports of chemicals and allied products to the United States in the first quarter of 1950 increased more than $5,000,000 in value from those in the corresponding period of 1949. Totals were $14,290,277 and $8,244,751, respectively.

Paper production based on a percentage of six-day capacity was 101.7 percent for the week ending July 22, according to the American Paper and Pulp Association. This compared with 79.1 in the preceding week and 82.7 for the corresponding week in 1949.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce.

Ammonia, Anhydrous—May production of synthetic amounted to 133,842 tons, compared with 134,452 in the preceding month and 110,129 tons in May, 1949. No shortage of stocks at the present time and no new price developments at the close of the month.

Calcium Carbide — Higher production was recorded in May. The total amounted to 59,107 tons, against 54,837 in April and 45,804 tons in May, 1949.

Calcium Phosphate—Output of monobasic in May was almost the same as in April, the totals were 2,927 tons and 2,974 tons, respectively. Production of dibasic established a new high record in May at 6,670 tons, the April output was 6,471 tons.

Carbon Dioxide—Liquid and gas production in May totaled 12,720 tons, compared with 12,012 in the preceding month and 12,706 tons in May, 1949. Output of solid, dry ice, was 44,425 tons in May, against 34,192 in April and 41,248 tons in May, 1949.

Carbon Tetrachloride—Producers have continued to allocate this chemical to regular consumers. The supply situation is tight and will likely become tighter with the chlorine shortage and a strike at an important plant.

Chlorine—Closing of a plant by labor difficulties was a development increasing the shortage in an exceedingly tight market. It is said to be doubtful if demand can be leveled off during the remainder of the year. May production of chlorine gas was the highest on record. The total showed 177,269 tons, compared with 168,878 in April and 145,718 tons in May, last year.

Copper Sulphate—Supply situation remained exceedingly tight, with production heavily under contract through September. October books will probably be opened this week, but some November sales have been made at prices prevailing at time of shipment. Demand for home and export continued active, with several inquiries from the Mediterranean unfilled.

Glauber's Salt — Production in May amounted to 16,482 tons, compared with a revised total of 16,086 tons in the preceding month and 11,590 tons in May, 1949.

Phosphorus, Red—Priced higher with market in short supply. Cases, 2,000 pounds on more, held at 42c. per pound, works; drums, 2,000 pounds, 40c. per pound and for larger quantities 39c., all prices are f.o.b. the works. One of the plants recently injured by an explosion is now operating at about 50 percent, and expects to be back at capacity in a month or six weeks.

Potash, Caustic—No improvement in the supply situation. The prolonged strike at an important producing plant has placed considerable pressure on other suppliers, and the soapmakers and other consumers are facing a difficult situation.

Potassium Carbonate — Not unlike the situation current in caustic potash. The glass specialty plants are running short of this material. Some stocks have been purchased abroad, but the supply situation is tight at present.

Soda Ash—Closing of another large plant on account of labor difficulties at Painsville, Ohio, has cut the country's alkali output to approximately 40 percent of normal. This action has seriously disturbed shipments and placed the supply in a critical condition besides paving the way for black market operations. May production of light ash amounted to 193,221 tons, compared with 185,907 in April and 139,208 tons in May, 1949. Output of dense ash in May was 145,530 tons, against 130,089 in the preceding month and 103,144 tons in April, 1949. Production of natural was 20,850 tons in May, compared with 19,487 in April and 17,565 tons in May last year.

The United Kingdom's exports of soda ash (including soda crystals and sodium bicarbonate) dropped sharply in the first quarter of 1950 from those in the corresponding period of 1949, according to Board of Trade statistics published in the British press. Totals were 858,262 hundredweight, valued at £483,365, and 1,155,573 hundredweight, valued at £765,110, respectively.

Soda, Caustic—Cutback production occasioned by another major plant going on strike has placed the market in a similar position to soda ash. The first plant strike occured on June 12 and at that time there was a surplus of caustic. Since then all excess stocks have disappeared and the market supply has definitely tightened with probabilities of becoming tighter until a settlement is reached. Production of electrolytic in May was the highest on record with a total of 170,477 tons of liquid including 31,085 tons of solid, compared with 163,039 tons of liquid including 27,211 tons of solid in April and 134,523 tons of liquid including 19,835 tons of solid in May last year. Production by the lime-soda process in May showed 49,164 tons of liquid including 13,985 tons of solid, against 47,305 tons of liquid including 12,641 tons of solid in April and 42,-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Phosphorus, red, 6c. per lb.
Quicksilver, $5 per flask.
Sodium stannate, 3.66c. per lb.
tungstate, 15c. per lb.
Tetraethyl pyrophosphate, 15c. per lb.
Tin chloride, 3.66c. per lb.
crystals, 3c. per lb.
metal, 6c. per lb.
oxide, 4½c. per lb.
sulphate, 3.4c. per lb.
tetrachloride, 3c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Dec. 30, 1949	July 29, 1949
223.4	223.4	219.0	216.4	222.4

Acids

Last week	Prev. week	Last month	Dec. 30, 1949	July 29, 1949
121.9	121.9	121.9	121.8	122.0

(*For Current Prices see Page 9*)

180 tons of liquid including 12,486 tons of solid in May, 1949.

Sodium Bicarbonate—Shortage of soda ash has cutback production and the market supply position has tightened appreciably with no immediate relief in sight. May production amounted to 12,225 tons of refined, compared with 12,967 in April and 11,808 tons in May, 1949.

Sodium Chlorate—Still in short supply with the eastern producer heavily committed to contract consumers and not in a position to consider additional business at the present time.

Sodium Phosphate—May production of monobasic totaled 1,186 tons, compared with 1,202 in the preceding month and 811 in May, 1949. Output of dibasic in May was 13,729 tons, against 14,400 in April and 9,347 tons in May last year. Production of tribasic in May was 5,789 tons, compared with 5,629 in April and 6,256 tons in May, 1949.

Sodium Silicate—Production increased in May. Output of soluble silicate glass, liquid and solid totaled 45,588 tons, against 41,300 in April and 43,277 tons in May last year.

Sodium Stannate — Priced higher at 54.6c. to 59.9c. per pound works, freight allowed East. The advance is the result of higher metal, current prices being based on 96c. tin.

Sodium Tungstate — Priced higher at 1.25c. per pound, delivered East. The advance is equivalent to 15c. per pound and was made to cover increased producing costs.

Tetraethyl Pyrophosphate—Priced higher at 80c. per pound in order to cover higher producing costs. The advance amounts to 15c. per pound and is on a works basis.

Tin Salts—Substantially higher as a result of a sharp advance in the metal. The breakdown shows tin chloride stannous anhydrous at 82.96c. to 83.96c. per pound, crystals hydrous 68c., oxide 98½c. to 99½c., sulphate stannous 94c. to 96c., and tetrachloride anhydrous 57c. to 58c. per pound, f.o.b. the works. These prices are all based on 96c. tin.

Zinc Sulphate—Supply position has tightened materially without revealing any new price changes. Some producers of the powdered grades are sold out until late September. Demand for these grades has come mostly from the fertilizer trade. The rayon mills and stearate manufacturers have been in the market for various grades.

Acids

Acetic—Demand for glacial has increased sufficiently during the month to tighten the supply situation. There was no particular shortage at the close, but the surplus was reduced enough to place the market in balance.

Chromic—Increased demand for plating requirements has tightened supplies. There was no change in prices, although the tone of the market was stronger.

Muriatic—Improved demand was leveled off without difficulty. Stocks at the close of the month appeared adequate to meet requirements. May production was the highest on record. The total amounted to 52,015 tons, and included 12,656 tons made from salt and acid, 9,607 from chlorine and hydrogen and 29,752 tons as by-product and from other sources. April production was revised to 51,319 tons and output in May, 1949, amounted to 38,767 tons.

Nitric—Market held a satisfactory degree of balance under an improved demand. May production amounted to 111,511 tons, against a revised output of 114,629 in April and 99,800 tons in May last year.

Oxalic—Market conditions showed no definite change during the past month. Buying interest has continued spotty, with producers' inventories more than sufficient to meet requirements. One plant has closed down temporarily covering the vacation period.

Sulphuric — Buying interest continued exceedingly active throughout the past month and regardless of capacity output, the supply situation remained definitely tight with prices firm. It is announced that acid in tank-wagons will be advanced $2.00 per ton on August 1 making the price $25.75 delivered. May production was the highest on record, the total being 1,104,335 tons gross. The breakdown showed 247,490 tons made by the chamber process and 856,845 by the contact process. April output was revised to 1,057,073 tons and in May last year 976,882 tons were produced.

Production of sulphuric acid in the United Kingdom in the first quarter of 1950 totaled 476,670 long tons (201,070 chamber process, 275,600 contact); 94.2 percent of capacity was utilized, the Na-

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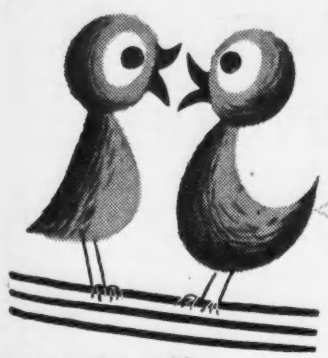

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tional Sulphuric Acid Association Ltd., reports. The largest consumer—123,618 tons—was the superphosphate industry.

Nonferrous Metals

Aluminum—May shipments of aluminum wrought products, on an average working-day basis, were 10 percent below April but were 37 percent above May, 1949, according to the Bureau of the Census. Shipments of magnesium wrought products during May, on the same basis, were 23 percent below April but were 7 percent above May, 1949. Net shipments unadjusted for number of working days, totaled 128,000,000 pounds in May as compared with 129,000,000 pounds in April and 89,000,000 pounds in May, 1949. The decrease from April was accounted for by a drop in shipments of plate, sheet, and strip that more than compensated for a slight increase in shipments of extruded shapes, tube blooms, and tubing.

Copper—Market firm with demand active and supplies tight and no indication of easement in sight. It was stated that most of the sales reported were in foreign material. Electrolytic closed at 22½c. per pound delivered Valley or Middlewest basis.

Lead—Buying interest increased both for prompt and future shipments. It was stated that the storage battery trade was building up inventories. Market quoted firm at 12c. New York and 11.80c. St. Louis.

Lead output from domestic mines totaled 37,780 short tons in May, a 6 percent increase over the April production of 35,612 tons, according to the Bureau of Mines. Although the average daily rate of production advanced nearly 3 percent from 1,187 tons in April to 1,219 tons in May, much of the gain in May output was due to the longer working period in the month. Lead output from mines in states East of the Mississippi River dropped 14 percent in May. Some of the decline was accounted for by the closing of mines in St. Lawrence County, New York. Lack of ore for continued operation was stated to be the reason for the shutdown. The combined production of lead in Arkansas, Kansas, Missouri, and Oklahoma totaled 14,143 tons in May. The average daily rate of output rose 9 percent over April and was 6 percent greater than the daily average for 1949.

Magnesium—Net shipments of magnesium wrought products totaled 850,000 pounds in May, 998,000 pounds in April and 756,000 pounds in May, 1949.

Quicksilver—Market excited and substantially higher with consumers eager to build up inventories and suppliers limiting sales to an allocation basis. There was an absence of round lot offerings on spot but October-November arrivals were available at $80 per flask. Small lot spot sales were also reported at this figure with 10 flask lots predominating and sellers attempting to hold the market in balance.

Silver—Market firm at the close of the week with demand steady. Bullion was priced at 72¾c. per ounce in the New York market.

Tin—Continued to move upward and in line with price developments in London and Singapore. Late in the week the market became extremely sensitive to moderate buying or selling operations. Most of the activity in the late trading was between 96c. and 97c. per pound, the higher price prevailing at the close.

Tungsten—Imports of tungsten ore and concentrates for consumption in the United States were 7,619 short tons (60 percent WO_3 basis) in the first quarter of 1950. This quantity represents ore and concentrates on which the duty has been paid and concentrates received duty free for the account of the United States Government. Imports for consumption in the first quarter included 6,471 tons (60 percent WO_3) for the account of the United States Government. In the first quarter no ore and concentrates were withdrawn from warehouses for smelting, refining, and export, but 49 tons were re-exported. Ore and concentrates withdrawn from warehouses for smelting, refining, and export and for re-export are free of duty. Exports of tungsten ore and concentrates in the first quarter were 364 pounds to Greece.

Zinc—Prime western firm at 15c. per pound East St. Louis basis. Market relatively quiet with trading restricted on account of scarcity of offerings. It was stated that custom smelters had practically sold their production for July and August.

Trade Briefs

Phil H. Richey has been appointed personnel director of Detrex Corporation, Detroit.

Howard B. Bishop, president of the Kotal Company, Summit, N. J., has been named as a member of the industrial health and safety committee of the National Association of Manufacturers.

St. Regis Paper Company has appointed Vincent L. Kiernan sales manager for refrigeration and injection molded parts produced by its Panelyte Division, effective August 1. He will be succeeded as New York district sales manager for the division by John M. Zeier.

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In New Spencer Post

George V. Taylor has been elected director of sales development for Spencer Chemical Company, Kansas City, Mo. (OPD 7/24/50). He will be in charge of the company's advertising, agronomy and market research activities.

Dow Dedicates New Midland Power Plant

Culminating several years of research and construction, the Dow Chemical Company last week dedicated a new highly efficient power plant in Midland, Mich. Open houses enabled employees, the Michigan press and industrialists from throughout the country to inspect the project which incorporates the latest features in the power field.

Designed and supervised by Dow engineers, the power plant was built by the Austin Company, Cleveland, Ohio, and is situated in the south central portion of the Midland plant. Construction began two and one-half years ago, and the plant was first put into operation on April 9, 1950.

With this added unit, Dow's four present power houses are generating daily enough power to supply a city the size of Flint, Mich. Dow engineers report an unusually high 90 plus percent boiler efficiency at all loads from this plant.

Forced Draft Blowers

Boilers use forced draft blowers instead of the conventional induced and forced draft fans, and two boilers used at once develop wind velocity equivalent to six hurricanes. These boilers burn about twenty carloads of coal daily. Continuous operation is maintained with 100 percent makeup feedwater softened by demineralization using water from the Huron water line. This results in a minimum blowdown and chemicals, water and heat formerly wasted are now conserved.

At present one turbine and two boilers are operating in the 35,000 square foot building, but space remains for two more boilers, one turbine and their respective auxiliaries. Steam is bled from the turbine automatically at three different pressures with controlled temperature for chemical processes and other powerhouses. Among several unique ideas is elimination of a dividing wall between the turbine room and the boiler room, thereby giving a freedom of movement for the operating personnel.

Fly Ash Eliminated

Furnaces used on these boilers are the second and third pressurized units ever placed in operation anywhere, and the boiler unit is so constructed to eliminate objectionable fly ash. Also, highly preheated air temperatures may be used and the corrosive sections of the air heater are small for ease in replacement.

The water conditioning plant adjacent to this building for feedwater makeup is the largest demineralization plant in the world.

Opposite the water plant is a coal preparation plant employing the latest features with respect to the conditioning of coal before delivering it to the bunkers directly above the firing aisle.

Pile driving for this fourth Dow power plant began February 10, 1948, and initial operation of the plant with one boiler unit took place April 9, 1950. The turbine was placed in service on May 24, with the second boiler unit coming on the line June 21.

Jones Joins Blaw-Knox

Chemical Plants Division of Blaw-Knox Construction Company, Pittsburgh, has announced the appointment of Dr. H. Roswell Jones to their synthetic fuels and chemicals department. Dr. Jones will be engaged mainly in the design of plants to produce finished rfined products from Fischer-Tropsch, Oxo, and Oxyl syntheses.

Procter & Gamble Opens New Baltimore Facilities

Procter & Gamble, Cincinnati, has placed in operation a new $800,000 addition to its Baltimore plant, it was announced last week. The three-story structure has an additional three stories of open construction in one section which contains equipment for spray-drying granulated products.

Margarine Produced in Brazil

A 50,000,000-cruzeiro margarine factory, built and equipped by Anderson, Clayton & Cia., Brazilian branch of the United States firm of that name, is now operating in Sao Paulo, Brazil. Production has now reached a daily output of about five metric tons. Cottonseed oil for the margarine is made from the cottonseed ginned from cotton on Anderson, Clayton plantations in Brazil.

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Sodium Hydrosulphide
Sulphur—Soluble (Specially processed for all industrial and agricultural uses)
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Petroleum Derivatives

Petrolatum prices advanced in one section of the market during the past week and were scheduled to advance in another on August 1. The yellows were up ¼c. and the white grades were ⅜c. higher. Since the move was not general, the low side of the price range still remained in effect. Prices were also higher on some of the low melting point microcrystalline waxes but those above 170-175° were unchanged.

Aromatic solvents were still tight, and while toluol was a bit freer than xylol, the predictions were that this one would soon begin to tighten up. Higher boilers were also tight and were in strong demand. Intermediate aromatic solvents were in good supply while the demand continued at levels that were regarded as normal.

Aliphatics, after advancing in price during the previous week, were in an unchanged position. The demand for them was generally at good levels now that the protective coatings trade was in its busy time of the year and naturally using more of the material. Supply was sufficient to meet normal call.

Lighter fractions continued in about the same position. The demand was running at reasonably good levels and supplies were sufficient to meet it. LPG's were in the middle of Summer demand now that country homes were open and were expected to stay in good demand at least until Labor Day.

Paraffin was without any particular change. The advance in price started several weeks ago in gasoline was continuing in additional areas. White mineral oil was without change in price, although it was said that the listings were stronger because of recent advances in raw materials costs.

Solvents and Diluents

Aromatic Solvents—The market for both toluol and xylol was about the same as it had been during the recent past. Both items were tight as to supply, with xylol the tighter of the two. It was predicted in one quarter during the week that the supply of toluol would become tighter in the future. In one quarter it was said that there was no evidence of scare buying at this time as a result of the war in Korea, although in another direction it was pointed out that there could not be a great deal of buying up in advance because there were not sufficient storage facilities to permit much of this. The higher boilers were still in a tight supply position and were expected to stay that way. The demand continued good and the price structure was reported to be without change. The intermediate aromatic solvents were without change as far as price was concerned. Demand was running along at what were considered normal levels and the supply was in good shape.

Cleaners' Naphtha—Demand was running along at levels that were characterized as fair to good during the period under review and the supply was sufficiently high to meet the needs of the market without any particular difficulty. Following recent changes in the listings, the schedules were firm at the new higher prices.

Lacquer Diluent—Demand was running along well at this time of the year and with the paint industry in its busy season, the demand was expected to continue at a good point for the foreseeable future, at least. Supply was in good shape and sellers were generally able to satisfy the normal needs of the market without any particular difficulty. Following the advances in the price listings during the previous week, the market was firm last week at the higher levels.

Mineral Spirits—There were no changes in the price listings during the past week, following the revisions that took place during the previous period. The prices were firm at the new levels. Demand continued to hold up at good levels and was expected to go on doing so for the immediate future at least, now that the protective coatings industry was in its busy time of the year. Supply was at a high enough level to make it possible for suppliers to satisfy the normal needs of the market without any particular difficulty.

Rubber Solvent—The rubber industry was still taking a good share of this material, and along with the other general demand, it could be said that the call was holding up to reasonably good levels. The supply was high enough to make the filling of normal orders no particular problem. Prices were holding at the new higher listings that were established during the previous week.

Stoddard Solvent—Supplies continued at a good point during the past week and normal demand could be satisfied without particular difficulty. The general demand situation ranged from fair to good, with the paint trade, now in its busy season, taking its share of the material. There were no further price changes, following the upward price revisions of the previous week.

V. M. & P. Naphtha—Demand was continuing at good levels during the period under review and was expected to go on that way during the busy season for the paint trade. Supplies were at sufficiently high levels to fill the market's needs with no particular difficulty. Prices were holding at the recently established higher levels.

Lighter Fractions

Heptane—There was no change in the price structure during the past week and there were no indications that there would be any in the immediate weeks ahead, although in one section of the trade it was said that there might be some tightening in price about September 1. Demand was holding at fairly good levels during the week and was expected to go on that way and possibly become a bit better in a month or so. Supply was sufficiently high to meet the current demands without any particular difficulty.

Hexane—The extraction trades continued to take a good deal of the output during the period under review. The demand in general was said to be holding at fairly good levels and the supply was sufficient to meet it and provide for shipments without any particular wait. There were no changes in the price structure and none were immediately anticipated.

LPG's—Pricewise, the market was without particular feature during the past week and there were no indications that there were any revisions in prospect for the immediate future. The demand was good during the week and it was expected to continue that way for a time at least. The industry was feeling the summer load at this point, now that the country homes were open and the rural activities were in full swing. This was expected to continue until about Labor Day. The supply was at levels high enough to obviate any particular difficulty in filling the normal needs of the market.

Pentane—The demand was not at particularly high levels last week, but what there was of it could be accommodated comfortably. The price structure remained without feature.

Waxes

Microcrystalline—Prices are now higher in some quarters and are to go higher in others on the low melting point waxes, but the higher ones were still unaffected. Demand was coming in at a pretty heavy rate during the past week and in one section of the trade it was said that it exceeded the supply. In another quarter, however, it was said that the supply was very good.

Paraffin—There were no changes in the price structure of this material last week and no indications that there were any immediately pending. The demand was

Market Trends

Prices Advanced
None

Prices Reduced
None

(For Current Prices see Page 9)

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended July 15 totaled 238,485,000 barrels, according to data reported to the Bureau of Mines. Compared with the total of 237,271,000 barrels for the preceding week, this represents an increase of 1,214,000 barrels, comprising an increase of 1,201,000 barrels in stocks of domestic crude and an increase of 13,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

continuing at strong levels and the supply was tightening.

Miscellaneous

Crude Oil—Crude runs to stills of 5,535,000 barrels daily were 342,000 higher than April, and 340,000 above May of 1949, according to the Bureau of Mines. Daily average imports of foreign crude were 439,000, or 69,000 lower than April but 30,000 barrels above a year ago. Total crude oil stocks at refineries increased 297,000 barrels over the revised figure for the end of April, but were 3,855,000 barrels lower than stocks on hand at the end of May 1949.

Gasoline—The daily average production of gasoline and allied products (19,277,000 gallons) decreased slightly in May 1950 compared with April, but was fourteen percent above that reported for May 1949, according to the Bureau of Mines. All states and districts registered decreases except California, Wyoming, Illinois and New Mexico. Total stocks (at plants, terminals and refineries) amounted to 342,864,000 gallons; an increase of 32,046,000 gallons at refineries and a decrease of 23,101,000 at plants and terminals.

Producers in other parts of the country last week joined the move towards higher prices that were begun recently and it was noted that the new listings were being reflected in higher prices for the material at the retail level.

Petrolatum — One producer announced during the week that it had gone up ¼c. on the yellow grades and ⅜c. on the white grades. Another stated that it was putting similar advances into effect on the first of August. The demand for petrolatum was running at a good point and the indications were that it would continue that way. In general, the supply position was not too bad, although one producer said that it was behind on deliveries but hoped to catch up soon.

White Mineral Oils—The demand was at a good point during the past week and was better than it was at the comparable time a year ago. It was also showing improvement over the business levels of the more recent past. There were no changes in the price structure but the market was in a strong position because of the recent advances in the cost of raw materials. The supply was still at a point sufficiently high to satisfy the normal needs of consumers.

Los Angeles Petroleum Market

Demand continues to hold at a good level for solvents and diluents. The supply position on solvents is reported adequate to meet present call. Cleaning solvent quoted from 15½c. to 19½c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area. Stoddard solvent quoted from 15.7c. to 19.5c. per gallon, same basis, and lacquer diluent quoted from 16½c. to 20½c. per gallon, same basis.

The market for propane and butane is reported on the quiet side although activity is more noticeable than in previous weeks. Price listings are unchanged at 5.3c. per gallon, tankcars, f.o.b. Los Angeles for both butane and propane.

Supplies are continuing to build up for high melting point waxes with inquiry normal for this season. 140/147 ASTM, carload loose slabs, f.o.b. shippers refinery, San Francisco, quoted at 6.95c. per pound. 146/148 ASTM, same basis, listed at 7.15c. per pound with 157/162 ASTM, same basis, quoted at 7.6c. per pound. Tankcar prices posted at 6.05c., 6.25c. and 6.9c. per pound respectively.

Sun Oil Plans New Pipeline

Construction is scheduled to start about August 1 on an eight-inch, 125-mile petroleum products pipeline from Sun Oil Company's Toledo, Ohio, refinery to Sarnia, Ontario. The route has been surveyed and the construction contract has been let to H. L. Gentry Construction Company, of Jackson, Mich. The line is scheduled for completion and operation by about December 1.

Du Pont Grease Stabilizer Described

The petroleum chemicals division of E. I. du Pont de Nemours & Co., Wilmington, has published Technical Bulletin GS-50, which describes its "Ortholeum 300" grease stabilizer, a mixture of complex organic amines which provide both antioxidant and metal deactivating qualities.

Continental Pipe Line Elects

W. L. Kygar has been elected president of Continental Pipe Line Company, a subsidiary of Continental Oil Company. George W. Evans will be chairman of the board and A. C. Wilkinson will continue as vice-president and manager.

Trade Briefs

El Dorado Oil Works, Bayonne, N. J., has purchased the site in Bayonne on which its facilities are located.

Oil Industry Information Committee has published "Bill Burns: Fable Killer," an eight-page booklet scotching many of the rumors and myths about the industry.

Richmond Oil Company, subsidiary of Standard Oil Company of California, has been granted exploration rights for two years on the north coast of Peru.

Esso Standard Oil Company has awarded diamond-studded buttons for forty years' service to George I. Collins and W. Dean Reeve, both of the New Jersey sales division.

S. P. King has been elected president of Albercan Oil Corporation, Canadian affiliate of Pancoastal Oil Company, succeeding C. U. Daniels who resigned recently to become president of Royalite Coil Company, Ltd.

Robert C. Musa, Long Island, N. Y., has been awarded the $2,000 fellowship established recently at Columbia University, New York, by the Socony-Vacuum Oil Company. He will work for a doctorate in surface chemistry.

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Agricultural Chemicals

DDT prices were advanced last week but supplies were down to such a low level that the uplift lost most of its market importance. BHC was in practically the same condition although prices were unchanged. Producers of both materials are experiencing difficulty in securing chlorine. It was stated that some of the southern states have found it necessary to fall back on calcium arsenate. The lead arsenate season is over in the North but tobacco planters are still in the market. There has been some drain on cryolite stocks although there appeared to be enough available to satisfy the season's requirements.

Improved buying interest noted in the preceding period for packing-house by-products continued well into last week and forced prices of dried blood and tankage sharply upward. Demand stemmed from the stockfeed trade. Feeders were also responsible for a price advance in menhaden meal and scrap. The fertilizer trade had to pay higher prices for limited offerings of hoof meal. Bone meal was stronger but unchanged in price. Producers of castor pomace were not in a position to offer additional quantities for immediate shipment.

Stocks of ammonium nitrate were tight for immediate shipment and the same condition prevailed in ammonium sulphate. Potash plants continued to produce at capacity levels. Superphosphate shipments were directed mostly to Fall planting grain areas. Phosphate rock remained relatively quiet both for home and export. Sodium nitrate found a seasonal outlet for top-dressing with stocks adequate to meet requirements.

The Fertilizer Project Board of Iceland plans to build near Reykjavik a nitrogenous-fertilizer plant with an annual capacity of 6,000 metric tons of nitrogen. The estimated cost is $4,727,000. The country's requirements of nitrogenous fertilizer, all imported at present, are expected to rise steadily because of the expanding areas of reclaimed land being brought under cultivation. An increase of 5,000 acres annually is planned in each of the next 2 years and of 10,000 acres annually thereafter.

Production figures appearing below, unless otherwise designated are from the Bureau of the Census. Imports and exports are from the Department of Commerce.

Nitrogenates

Ammonium Nitrate — Demand steady, supply situation tight for immediate or prompt shipments. May production of original solution totaled 98,927 tons and included 83,015 tons of fertilizer grade and 15,912 of other grades. Output for April was 104,009 tons and 95,566 in May, 1949.

Ammonium Sulphate—Stocks tight at the close of the month for prompt shipment. Production of converters' technical in May totaled 114,131 tons, compared with 120,465 in April and 47,708 tons in May last year.

A new fertilizer plant is being erected in Mexico which is expected to produce 70,000 metric tons of ammonium sulphate annually. The company states that when the plant is completed it will not be necessary to import sodium nitrate and that the price of mixed fertilizers can be reduced.

Bone Meal—Buying interest for stockfeed use has broadened and the tone of the market is firmer, although prices were without quotable change. The raw grades were priced at $62.50 per ton in carlots and steamed at $58, both works. Imported steamed continued available at $56 per ton c.i.f. New York for prompt shipment.

Castor Pomace—Producers not offering for immediate. Last sales at $30.50 per ton in bags, carlot shipments from works.

Dried Blood—Priced higher at $8 per unit of ammonia New York and $8.50 Chicago. Feed demand was active early last week but relaxed to some extent toward the close.

Fish Meal—Increased buying brought about higher prices for menhaden meal with some difficulty experienced in securing prompt offerings. Baltimore quoted $135 per ton for meal and $127.50 for scrap.

Hoof Meal—Suppliers quoted higher at Chicago. The lowest price heard at the close of the week was $7 per unit of ammonia.

Market Trends

Prices Advanced

DDT, 2c. per lb.
Dried blood, $1 per unit of ammonia.
Fish meal, menhaden, $5 per ton.
scrap, menhaden, $5 per ton.
Tankage, $1 per unit of ammonia.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 29, 1949
82.2	82.2	82.2	81.6	81.6

(*For Current Prices see Page 9*)

Sodium Nitrate — Seasonal demand mostly for top-dressing has been satisfied readily from stocks on hand. No change in prices.

Tankage—Prices advanced sharply with feeders taking on stocks as the market strengthened. New York quoted $8 per unit of ammonia and Chicago $9.

Argentina's exports of tankage in May 1950 totaled 4,006 metric tons, compared with 5,998 tons in April. Exports went principally to Europe, the Netherlands being the largest purchaser—2,997 tons. The United States took 396 tons. Exports of dried blood—almost entirely to Europe—amounting to 851 tons, compared with 1,258 tons in April.

Phosphates

Phosphate Rock—Shipments have moved along seasonal lines without unusual development. It is expected that the repair work period at acidulating plants will shortly be over and that domestic shipments will increase. There is no shortage of stocks and the general market is described as firm. The export market has remained relatively quiet with England continuing to take moderate quantities.

Superphosphate—Demand rather slow from most areas, although in sections where Fall grain is planted, the inquiry is fully up to normal. Supply position has remained comfortable with no further change in prices.

Totaling 978,000 equivalent short tons of 18 percent product, the May 1950 superphosphate output was 5 percent higher than that of May 1949, according to a joint compilation of the National Fertilizer Association and the Bureau of the Census. Mainly responsible for the increase was the large turnout of concentrated superphosphate which totaled close to 64,000 tons, the highest monthly amount on record. Total production during the first five months of 1950 was about 2 percent higher than in January-May 1949.

Potashes

Shipments have continued to move steadily from domestic plants to mixers and other consumers. The combined movement is heavy with production holding at capacity levels. As previously stated the French allocation has been sold. Some Russian potash was available but did not attract much attention.

Negotiations between the Israeli Government and the Palestine Potash Company are expected to lead to reopening of the potash works in Israel. The main plant at the northern end of the Dead Sea was completely destroyed in 1948. Proposals provide for renewal of the concession to the company under certain conditions. These include provision by the company of £2,000,000 in foreign exchange for expansion and rehabilitation of the plant; the Government will assign the company additional funds. The cost of a road between Beersheba and Sdom will be shared by the Government and the company. Other conditions provide for transfer of the company's headquarters to Israel and ownership of the majority of shares by residents of Israel. The company is not to start work in any part of Jordan without consent of the Israeli Government, but is free to negotiate for supplies of fresh water from Safi to Sdom. Present plans call for an annual output of 135,000 metric tons of potassium muriate.

Los Angeles Fertilizer Market

Los Angeles.—The market continues active for organic material with a further increase noted for blood meal and another appreciable jump in tuna and sardine meals. Canadian inorganic producers, according to the trade, have promised to deliver the same tonnage as for 1949 by the end of this year, which, in some quarters, may result in a shortage of material for the late fall months. Meantime, supplies continue adequate to meet an active demand.

Ruling prices quoted were:—Ammonia nitrate, $69.94 per ton, f.o.b. Los Angeles. Canadian material same. Ammonia phosphate,

For Late Market Developments. See Page 4

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$65.15 per ton for 16/20 grade, f.o.b. Los Angeles. 11/48 grade, f.o.b. Los Angeles quoted $89.65 per ton. Canadian material. Ammonia sulphate, $49 per ton in bags, f.o.b. Los Angeles. Canadian material same bagged. $2.50 less for bulk. Blood meal, $6.50 per unit of ammonia at source. Bone meal, $70 per ton for imported, steamed, 1/30 meal, f.o.b. Los Angeles. Fish meal, $149.50-$152.75 per ton for 65 percent sardine, f.o.b. Los Angeles. $135-$138 per ton for 60 percent tuna, f.o.b. Los Angeles. Nitrate of soda, $53 per ton in 100-pound bags, f.o.b. Los Angeles Harbor. $48 per ton in bulk. Potash muriate, 48½c. per unit in bulk, f.o.b. Trona basis. Potash sulphate, 95 to 98 percent K_2SO_4, 84c. per unit, f.o.b. Trona. Superphosphate, $21.20 per ton bulk, f.o.b. Los Angeles area. $2.50 extra for bags. Triple, $68.50 to $72 per ton for bulk, 47 percent a.p.a., f.o.b. Los Angeles. Tankage, wet rendered, fertilizer grades, $5.25-$5.50 per unit of ammonia at production plant.

Pesticides

Calcium Arsenate—According to trade reports demand has increased this year. Georgia has always favored this material and is just about closing its season. Buying interest is active in Texas, Mississippi and Alabama with Arkansas and Missouri expected to come in later. The combined inquiry has been sufficient to tighten the market supply situation. May production totaled 2,449 tons, compared with 1,424 in April and 757 tons in May, 1949.

2,4-D—Suspicious of surviving Johnson grass plants in sugarcane fields treated with 2,4-D, agronomists of the Department of Agriculture found that the next generation grown from the seeds of these surviving plants was twice as resistant to the 2,4-D as those of the previous generation. Johnson grass, introduced into the South as a forage crop more than a century ago, has spread widely as a weed in cane and cotton fields.

DDT—Prices have been advanced to 34c. to 36c. per pound for carlots, works, freight equalized with recognized competitive points, the price range is according to producer. Smaller quantities range from 35c. to 38c. per pound. The supply position has continued definitely tight with the chlorine shortage contributing to the present scarcity of stocks.

Lead Arsenate—Season is over in the North but demand is still active from the tobacco areas in the South. Market position firm with prices unchanged. May production amounted to 2,205 tons including acid and basic, against 2,347 tons in the preceding month and 356 tons in May of last year.

Nicotine Sulphate—Exports in March were 10,000 pounds, bringing the total for the first quarter up to 158,000 pounds. The only sizable shipment was 105,000 pounds to Norway. During the same period in 1949, exports totaled 478,000 pounds with Italy receiving 344,000 pounds.

Paradichlorobenzene—Although this is

—Continued on page 78

SURPLUS INVENTORY

AROCLOR No. 1254	9,000 lbs.
DIANISIDINE	660 lbs.
DINITROCHLOROBENZENE	5,000 lbs.
MONOETHYLAMINE	28,000 lbs.
PROPYLENE GLYCOL	31,300 lbs.
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Dr. de Ong brings to this book a vast knowledge of entomology and the insecticide industry born of 33 years of close association with laboratory and industrial research development. He was in charge of entomology at University Farm, Davis, California, where he taught research and extension work in insect control and insecticides. Then for seven years, he was director of the Insecticide Laboratory of the University of California at Berkeley.

For the past twenty years, during ten of which he acted as Secretary-Treasurer to the Pacific Insecticide Institute, his consulting work for many of the largest companies in the country has kept him in close touch with major problems, research and new developments, and has earned him an outstanding reputation. In addition to his many technical papers and bulletins, his long association with growers, manufacturers and officials, and his establishment of the industry advisory committees among manufacturers throughout the United States for the O.P.A., Dr. de Ong has written many amendments to the laws pertaining to insecticides in the western states.

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For your convenience, THE BARRETT DIVISION, Allied Chemical & Dye Corporation, announces the following price schedules for Phenols, effective July 18, 1950, and Cresols, Cresylic Acids and Xylenols, effective August 1, 1950:—

		Tank Cars and Tank Trucks (Min. 3500 Gals.)	Non-Returnable Drums Included C/L & T/L	L.C.L.
PHENOLS				
Phenol, U.S.P.	lb.	$.155	$.1725	$.18
Phenol, 82% Technical	lb.	.1475	.165	.1725
Phenol, 90% Technical	lb.	.1475	.165	.1725

F.O.B. our plant, Frankford, Philadelphia, Pa., freight allowed to destinations East of and including Denver, Colorado.

CRESOLS				
Meta Para Cresol 5°C B.R.	lb.	.135	.148	.151
Meta Para Cresol 60% min. Meta	lb.	.145	.158	.161
Cresol, U.S.P.	lb.	.135	.148	.151
Cresol, Standard Resin Grades	lb.	.125	.138	.141
Cresol, Special Resin Grades	lb.	.1275	.1405	.1435
Cresol, Ortho 24-29°C M.P.	lb.	.145	.158	.161
CRESYLIC ACIDS				
Cresylic Acid, 50% at 204-207°C				
1. Standard grades	gal.	.90	1.01	1.04
2. Tricresyl Phosphate grade	gal.	.95	1.06	1.09
3. Special Resin grades	gal.	.95	1.06	1.09
Cresylic Acid, 50% at above 207°C				
1. Standard grades	gal.	.80	.91	.94
2. Standard Resin grades	gal.	.90	1.01	1.04
3. Special Resin grades	gal.	.95	1.06	1.09
XYLENOLS				
Xylenol fractions over 7°C B.R. except Meta	gal.	.90	1.01	1.04
Xylenol Meta Fractions over 7°C B.R.	gal.	1.00	1.11	1.14

F.O.B. our Plant, Frankford, Philadelphia, Pa., freight equalized with Newark, N. J.; Follansbee, W. Va., or Indianapolis, Indiana.

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Mixtures containing 30-44.9% Phenol	lb.	$.14	$.153	$.156

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Coaltar Chemicals

Advances of one cent to 1½ cents per pound on cresols and 10 cents per gallon on cresylic acid and xylenol fractions were announced by one producer last week, effective August 1 on spot and October 1 on contract. Metaphenylenediamine and L acid moved up 8 cents and 30 cents per pound, respectively, while dinitroanilin, orthotoluidin and paranitrophenol were each 2 cents higher.

One maker of natural phenol, following the lead set earlier by another producer, announced 2-cent boosts on both 82 percent and 90 percent grades, effective immediately on spot and October 1 on contract. However, since at least one seller was still standing pat on old schedules at press time, a split price prevailed on both natural and synthetic phenol at week's end. One manufacturer of intermediates effected a series of increases, but no immediate action was forthcoming on these materials from other quarters. The price index remained unchanged at 107.5.

The intermediate increases included 7-cent rises in alphanaphthol, G salt, parachloro-orthonitroanilin and Schaeffer's salt. Anthranilic and gamma acids were upped 11 cents and 12 cents, respectively, while Neville and Winther's acid along with metatolylenediamine drew 9-cent rises. Paratoluidin and sodium naphthionate were each raised 6 cents, and dinitrobenzene and orthonitrotoluene were upped one cent apiece. Other advances by this maker included technical sulphanilic acid, dimethylanilin, alphanaphthylamine, alphanitronaphthalene and paranitrotoluene.

Benzol, cresol, and low boil cresylic acid were very tight, as were phenol and xylol. Toluol, while short on the overall, was reported in a somewhat better position than xylol. Creosote and naphthalene were both regarded to be in ample supply, large quantities from abroad continuing to augment domestic production. One major tar distiller, on strike since July 1, remained in a strikebound condition. The walkout at plants of a major chlorine producer continued unabated into its seventh week.

Reports from companies having 94 percent of the steel capacity of the industry scheduled operations at 99.3 percent of capacity for the week ended July 29, according to the American Iron and Steel Institute. This was the equivalent of 1,892,900 tons of steel ingots and castings for the entire industry, compared to 1,894,800 tons scheduled a week earlier and 1,502,500 tons a year ago.

Market Trends

Prices Advanced

Acid, L, 30c. per lb.
Dinitroanilin, 2c. per lb.
Metaphenylenediamine, 8c. per lb.
Orthotoluidin, 2c. per lb.
Paranitrophenol, 2c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 29, 1949
107.5	107.5	107.5	110.1	110.4

(*For Current Prices see Page 9*)

Basic Products

Benzol—With domestic coaltar production continuing to fall far short of all consuming requirements, benzol buyers were still reported to be exploiting all other available sources of supply. That price was a relatively minor consideration in this search for material was evidenced by the fact that foreign benzol, commanding one-half to three-quarter times more than the domestic product, remained in excellent demand. The plain fact was that there was just not enough benzol to go around, and, in view of the growing seriousness of the Korean crisis, the trade was of the opinion that the supply situation of this basic would grow worse, not better, in the coming months.

Creosote—Imported material, reportedly priced on a competitive level with domestic creosote, was said to be moving in good volume during the period. Domestic production, meanwhile, was said to be more than sufficient to cover current needs. Demand was at a good pitch all around. There were no price changes.

Cresol—One maker announced increases of 1c. to 1½c. per pound, effective August 1 on spot and October 1 on contract. USP cresol was raised 1½c. per pound, as were 5 degree metaparacresol and 60 percent metaparacresol. Both standard resin and special resin grades of cresol received 1c. boosts. Other makers took no immediate action. Meanwhile, with one major tar distiller strikebound since July 1, stocks remained at a low ebb. Demand, as a result, continued to far outdistance current output.

Cresylic Acid—Advances of 10c. per gallon were announced last week by one producer, effective Tuesday on spot and October 1 on contract. There was no immediate action by other sellers of the material and, as a result, split prices prevailed on all grades and quantities at week's end. Stocks, at the same time, continued desperately short, with the scarcity showing no signs of alleviation. The fact that one major tar distiller has been out on strike for more than four weeks was viewed as a leading factor in this situation.

Petroleum-derived cresylic acid, stable in price, moved steadily. Imported was firm. Compared with the narrow position of low boil coaltar acid, these materials were regarded to be in a relatively favorable supply position.

Naphthalene—Large quantities of foreign crude continued to augment domestic output and the overall supply position of the material, as a result, remained excellent. Consumer inquiry was still said to be on the rise last week, due for the most part to stepped-up demand and production of phthalic anhydride. Prices were without change.

Phenol—One seller of natural phenol, following the lead of another producer, announced 2c. increases on both 82 percent and 90 percent grades, effective immediately on spot and October 1 on contract. However, since at least one other supplier stood pat on previous listings, a 2c. spread prevailed in the market. No action was taken during the period on synthetic quotations, and the range of 2c. per pound, which existed previously, continued in force. With benzol short, one major chlorine producer out on strike since June 12 and a leading tar distiller strikebound since the beginning of this month, the supply position of both natural and synthetic types was extremely narrow.

Pyridin—Pharmaceutical material (refined 2 degree) moved in only fair volume because of the seasonal letdown in such preparations as antihistamines. There were no price shifts during the period and none were known to be in the making within the immediate future.

Toluol—The price structure of coaltar-derived material stood its ground during the past week. However, with petroleum aliphatic fuels and solvents showing increasingly bullish tendencies, it was a matter of conjecture as to how long this stability would continue. Higher petroleum fuel costs could mean a similar upsurge in coaltar price levels, which in turn would result in a rise in the cost of tar distillation products. On the overall, coaltar toluol was short, but its supply position was not nearly so critical as that of xylol.

Xylol—Producers of coaltar-derived xylol still were unable to keep pace with the intense demand. Furthermore, the outlook for the immediate future was far from bright. With the Korean situation increasing in complexity day by day, observers felt that there were darker days ahead for xylol supplies. Prices, meanwhile, held their ground.

Intermediates

Acid, Anthranilic—One producer last week announced an increase of 11c. per pound in the technical grade. Other sellers standing pat, a split price of $1.10 to $1.21 on the technical prevailed at week's end. The resublimed was unaffected, continuing at $2.10 per pound.

Acid, Gamma—An advance of 12c. per

Coke By-Products

Estimates of by-product cokeoven operations in the week ended July 15 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	1,011,226
Ammonia sulphate	lbs.	26,185,421
Benzol	gals.	3,299,789
Coaltar	gals.	12,241,152
Creosote oil	gals.	681,247
Naphthalene, crude	lbs.	1,617,961
Phenol	lbs.	191,601
Toluol	gals.	659,968
Xylol	gals.	149,023

For Late Market Developments, See Page 4

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pound was effected by one seller on this material last week. Other makers failing to go along immediately, the material ranged from $1.20 to $1.32 per pound at the end of the week.

Acid, L—This material was quoted 30c. per pound higher during the week. The current market price is $1.25 per pound.

Acid, Neville and Winther's—A rise of 9c. per pound was effected by one maker during the period. There was no immediate action by other manufacturers, and as a result quotations ranged from 88c. to 97c. per pound at Friday's close.

Acid, Sulphanilic—The technical material received a boost of 2c. per pound by one supplier last week. Schedules of other makers were unchanged.

Alphanaphthol—A boost of 7c. per pound was applied to schedules of one manufacturer during the past week. There was no action known or contemplated elsewhere in the market. The current price of this intermediate, therefore, ranges from 70c. to 77c. per pound.

Alphanaphthylamine—One seller announced an increase of 4c. per pound in this material last week. Schedules in other quarters were maintained. Thus, at week's end, going market prices on the intermediate ranged from 41c. to 46c. per pound.

Alphanitronaphthalene—Upped 3c. per pound by one maker during the week, there was no comparable action anywhere else in the trade. The current market price, therefore, runs from 34c. to 37c. per pound.

Dimethylanilin — One producer announced an upward revision in schedules last week. Under the new price list, tankcar quantities are up 2c. per pound, while carloads are 1c. higher. Less carloads remain unchanged. Other sellers did not immediately go along with the action. Following, therefore, are current market listings:—Carload, 23c. to 24c.; l.c.l., 25c., and tanks, 21c. to 23c. per pound.

Dinitroanilin—The price of this intermediate moved up 2c. per pound during the period. Current schedules call for 54c. to 57c. per pound, depending upon quantity, drums, freight equalized.

Dinitrobenzene—Both crude and purified grades were advanced 1c. per pound by one manufacturer last week. Other makers failing to go along, a split market price on each grade prevailed at week's end. Crude ranged from 17c. to 18c. per pound, while purified was named at 18½c. to 19½c. per pound.

Dinitrochlorobenzene—One maker effected increases ranging from 2c. to 3¼c. per pound on both the 46½-degree and the 48-degree materials. Tankcar quantities were upped 2c.; carloads received a 2¾c. rise, and less carlots were advanced 3¼c. per pound. The schedule on 48-degree material is at levels 1c. above that for 46½-degree. Ranges in prices noted below reflect not only that differential but also the divergence of views between producers. Following, therefore, are current listings:—Carload, 13½c. to 17¼c.; less carlot, 14c. to 18¼c., and tanks, 13¼c. to 16¼c. per pound.

G Salt—Prices of one maker were upped during the period 7c. per pound. Other sellers failed to take immediate action. Current market listings, therefore, range from 59c. to 67c. per pound.

Metaphenylenediamine — The price of this intermediate last week was raised 8c. per pound. The new market listing calls for 84c. per pound.

Metatolylenediamine—Schedules of one maker moved up 9c. per pound on this material during the period. Prices elsewhere in the market stood fast, with a result that at week's end going market quotations on the intermediate ranged from 85c. to 94c. per pound.

Monochlorobenzene — Stocks continued desperately low, due both to the scarcity of benzol and the seven-week strike at plants of a major chlorine producer. Demand, therefore, continued to outrun production by a wide margin, and as of press time there was no sign of relief. Prices were steady all around.

Orthocresol—One maker of the 24-29 degree material last week announced a 1c. boost, effective August 1 on spot October 1 on contract. The new schedule of this maker calls for 15.8c. per pound, carload; 16.1c. per pound, l.c.l., and 14.5c. per pound, tanks.

Orthonitrotoluene—Quotations were advanced 1c. per pound in one quarter last week. Other makers failing to take immediate action, split prices prevailed on all quantity brackets at week's end. Following are current quotations:—Carload, 8c. to 9c.; l.c.l., 9c. to 10c., and tanks, 7c. to 8c. per pound.

Orthotoluidin—Schedules were advanced 2c. per pound in last week's market. Following are current market prices:—

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Parachloro-orthonitroanilin — One producer last week announced a rise of 7c. per pound in this intermediate. Since other makers failed to take immediate action, market prices ranged from 63c. to 70c. per pound at week's end.

Paranitrophenol—The price of the material was 2c. higher in last week's market. The new quotation is 42c. per pound.

Paranitrotoluene—One supplier last week announced an increase of 3c. per pound in this material. Current listings range from 30c. to 33c. per pound.

Paratoluidin—Schedules of one maker were upped 6c. per pound during the period. There was no price action elsewhere in the market, and, at Friday's close, the going price ranged from 55c. to 61c. per pound.

Phthalic Anhydride—The paint trade continued to step up its requirements for this intermediate during the week for use in alkyd resins, plasticizers and certain pigments. However, despite the increased demand, producers indicated no difficulty in keeping up with the current pace of business. Although some setback to the automotive industry was thought possible because of the war effort, it was thought that this slack would be more than made up by expanded protective coatings for war materials. Prices held firm.

Schaeffer's Salt—One maker's price was advanced 7c. per pound during the week, the new schedule calling for 73c. per pound. Other makers failed to take immediate action, however.

Sodium Naphthionate—Schedules of one seller were upped 6c. per pound, the new listing calling for 66c. There was no price action elsewhere in the market section.

Xylenol—One maker announced increases of 10c. per gallon on meta and other fractions, effective August 1 on spot and October 1 on contract. The new schedule on fractions over 7 degrees calls for $1.01 per gallon, carload, $1.04, l.c.l., and 90c., tankcars. Prices on meta fraction over 7 degrees are 10c. per gallon higher for each quantity.

Minneapolis Honeywell Expands Field Staff

Promotions and additions affecting its field staffs, industrial and valve divisions were announced last week by Minneapolis-Honeywell Regulator Company. Charles F. Woods has been named valve division sales manager for the southwest region. He will make his headquarters at Dallas. Edward J. Byrne, formerly with the company's Houston branch, has succeeded Woods as industrial manager of the Dallas branch. Howard W. Griesbach has been appointed industrial manager of the Milwaukee branch. He was in the Chicago branch for the past few years.

Additions to the field sales staffs include:—Louis C. Schultz to Chicago and William E. Van Horne to Rochester, for industrial sales; William J. Kirby to Los Angeles and P. R. Vogel to Houston, on industrial supplies sales.

Transfers of field men include:—Lawrence E. Kennedy, transferred from Syracuse to Atlanta; George Massey from Atlanta to Nashville; A. R. King from Boston to Worcester, Mass.; Gerald G. Walker from Detroit to Saginaw, Mich.; W. J. Kilroy from Detroit to Grand Rapids, and John Koerner from Pittsburgh to Youngstown, Ohio.

In addition, Carl Bohnlein has been transferred from general to industrial sales at Philadelphia, and George Jensen has been transferred from Chicago industrial service to industrial sales at Menasha, Wis.

Hooker Electrochemical Shifts 4 Technical Men

The Hooker Electrochemical Company, Niagara Falls, N. Y., has announced organization changes involving four technical men. Joy E. Beanblossom has been made manager of development; James S. Sconce has been appointed manager of research, and Dr. Bruno H. Wojcik has been named assistant to the technical superintendent. In the sales development department, James S. Walker has been appointed supervisor of technical sales service.

Mr. Beanblossom has been with the Hooker company since 1929, starting as a chemical operator. As a research chemist and supervisor he has been responsible for the development of many intermediates for the manufacture of dyestuffs and other commercial chemicals. In his new capacity as manager of development, Mr. Beanblossom will have charge of pilot plant operations, research manufacturing and research engineering.

Mr. Sconce was with the Cornstalk Products Company prior to going with Hooker in 1930. He has been a research chemist and a research supervisor, and has supervised the development of many commercial processes, including monochloroacetic acid, benzene hexachloride and lindane. He has directed the product application program and, with Dr. Wojcik, has supervised the research fellowships.

As assistant to the technical superintendent Dr. Wojcik will handle all technical problems relating to product quality and improvement. He has been with Hooker since 1934 in charge of hydrogenation research and as a research supervisor. During the war he was in charge of development of the Manhattan district project work at the company.

Mr. Walker has been with the company since 1940, and has been engaged in research and plant operations, process supervision and technical service. As supervisor of technical sales service he will have charge of technical service relating to packaging, shipping and handling of the company's products, technical correspondence and product specification. His sales service activities will also include the Hooker metal cleaning process using "Virgo Salt."

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Textile and Leather Chemicals

Active demand for practically all textile and leather chemicals featured the market last week. Consumers stepped up demand for immediate needs and endeavored to obtain supplies for forward requirements. Prices were stronger and the trend upward, though advances were restricted to egg products. Egg albumen was sharply higher and yolk also was lifted. This advanced the index 6.3 points.

Tight supply condition has developed in bichromates and sodium hydrosulphite due to short supply of soda ash because of labor strikes at plants of two leading producers. This has brought out a heavy demand, but producers were compelled to turn down business and to restrict delivery on contracts and to regular customers.

Trading in sizing materials was active, especially for potato starch and corn dextrin and starch. Consumers absorbed larger quantities for prompt and forward delivery. Stocks of potato starch held by producers have been materially reduced and the supply situation is gradually becoming tight. This was expected to eventually increase interest in government owned starch. Sago flour was firmer on spot due to the scarcity of offers for shipment from primary centers. Tapico flour was quiet, but steady.

Consuming demand for tanning materials increased appreciably due to Korean fighting and a good volume of business was placed for shipment. Prices for materials were steady and most materials thus far were available at former levels.

Cattlehide leather production in May was indicated at 1,949,000 hides compared 1,853,000 in April, according to preliminary figures issued by Tanners Council; calf and whole kip skins; 829,000 against 814,000; goat and kid skins, 3,194,000 compared with 2,821,000 and sheep and lamb 2,706,000 against 2,625,000.

Market Trends

Prices Advanced

Egg albumen, flake, 10c. per lb.
technical, 5c. per lb.
yolk, 3c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 29, 1949
242.8	236.5	225.1	286.0	312.8

(*For Current Prices see Page* 9)

Chemicals

Acetic Anhydride—Increased consuming inquiry created a firmer tone. Business also improved for prompt delivery. Prices were maintained at former levels.

Bichromates—Tight supply condition of soda ash due to strikes at leading producers plants was reflected in the bichromate situation. This brought out increased demand as consumers endeavored to build inventories. Market was strong at current quotations. Production of sodium bichromate and chromate totaled 7,907 short tons in May, compared with 7,452 tons in April and 5,286 tons, May last year.

Interstate Commerce Commission July 20 received application for relief from the long and short haul provision of section 4 (1) of the Interstate Commerce Act, involving sodium bichromate in carloads from points in Ohio to Alabama. Any interested person desiring the Commission to hold a hearing upon such application shall request the Commission in writing within 15 days from July 20. Persons other than applicants should fairly disclose their interest and the position they intend to take with respect to the application.

Sodium Acetate—Trading was more active as consumers absorbed larger quantities for prompt and forward needs. Prices were firmly maintained.

Sodium Hydrosulphite — This market was firmer owing to the possibility of reduced production owing to the shortage of soda ash as a result of strikes at leading producers plants. Buying interest has improved but sellers have been turning down business, except from regular customers. Prices were strong and unchanged.

Sulphonated Oils—Higher cost of basic materials has stiffened this market though prices of sulphonated grades have not been advanced as yet. Demand was fairly active for prompt delivery.

Sizing Materials

Corn Dextrin—Consuming demand was accelerated as users took larger quantities for prompt delivery. Market was strong at the recent advance. All grades were quotably unchanged. Price guarantee against advance was effective until July 31.

Corn Starch—Conditions continued firm. Consuming demand was active and consumers have begun to build inventories. Quotations were maintained at the recent advance. Price guarantee against advance was in effect until July 31. Visible corn supply was reduced 214,000 bushels to 37,200,000 bushels for the week ended July 22, compared with 6,700,000 bushels for the same time last year, it was reported by the Chicago Board of Trade. Corn stocks on July 1 totaled 1,421,000,000 bushels, 10 percent more than last year's record high on that date, it was announced by the Department of Agriculture.

Egg Albumen—Further price advances took place last week owing to increased cost of production and improved demand. Flake was raised 10c. per pound, to $1.30 to $1.32 per pound, and powdered, $1.33 to $1.35 per pound, as to quantity. Trading continued active for spot and prompt delivery. The technical grade also was stronger and advanced to 77c. to 79c. per pound, depending upon quantity.

Egg Yolk — This market was stronger under better demand. Prices ranged from $1.13 to $1.15 per pound, according to quantity and seller. Chinese yolk remained steady at 82c. to 84c. per pound, spot, duty paid, as to quantity.

Potato Starch—Consuming demand was active as users placed orders for prompt and forward requirements. Market was firm. Carlots were maintained at 5½c. per pound, f.o.b. Maine and 5¼c. f.o.b. Idaho. Less carlots moved in larger volume, and ranged from 7¼c. 7½c. per pound, exwarehouse depending upon quantity. Government owned starch was available at 4½c. per pound, in 200-pound bags, f.o.b. Maine.

Sago Flour — The spot market was strong reflecting the firmness at primary centers. Supplies on the spot were light and maintained at 7c. to 7½c. per pound, according to quantity. Offers for shipment were scarce and closely held.

Tapioca Flour—A firm tone prevailed in this market. Trading was moderate for prompt requirements. Prices were without change and well held for all grades. Shipments from Brazil were unchanged, but steady. Brazilian high grade was quoted at 7c. to 7½c. per pound, as to quantity; medium, 6½c. to 7c. and low, 5½c. to 6c. exwarehouse. Siamese high grade was steady at 5¾c. per pound and low, 4½c. per pound, exdock.

Tanning Materials

Chestnut Extract—Conditions remained steady, despite fair demand for prompt needs. Quotations were unchanged and well held at current levels.

Cutch — Tanners continued to display an active inquiry for replacements. Offers for shipment were available at 6¾c. per pound, exdock. Imports totaled 1,700 bags at New York last week against former orders.

Mangrove Bark—Improved inqury was noted for prompt shipment. Market was steady and displayed a better tone as a result of increased buying interest. Offers of South American bark for shipment were without change.

Myrobalans—Tanners showed more interest in prompt shipments. The primary market was firm and shipments were well held at former quotations. Arrivals were reported at 480 bags at New York last week.

Quebracho Extract — Tanners showed more interest in prompt shipment. Primary markets continued firm. Offers for shipment were available at unchanged quotations. Imports totaled 9,755 bags at New York last week.

Valonia—More consuming inquiry was noticeable for cups for prompt shipments. Primary market was firm at former levels.

Wattle—Offers of bark and extract for shipment from producing points in Africa continued scarce due to the usual summer shutdown, but were expected to increase shortly on the resumption of production. Prices of both bark and extract were firmly maintained for shipment.

For Late Market Developments, See Page 4

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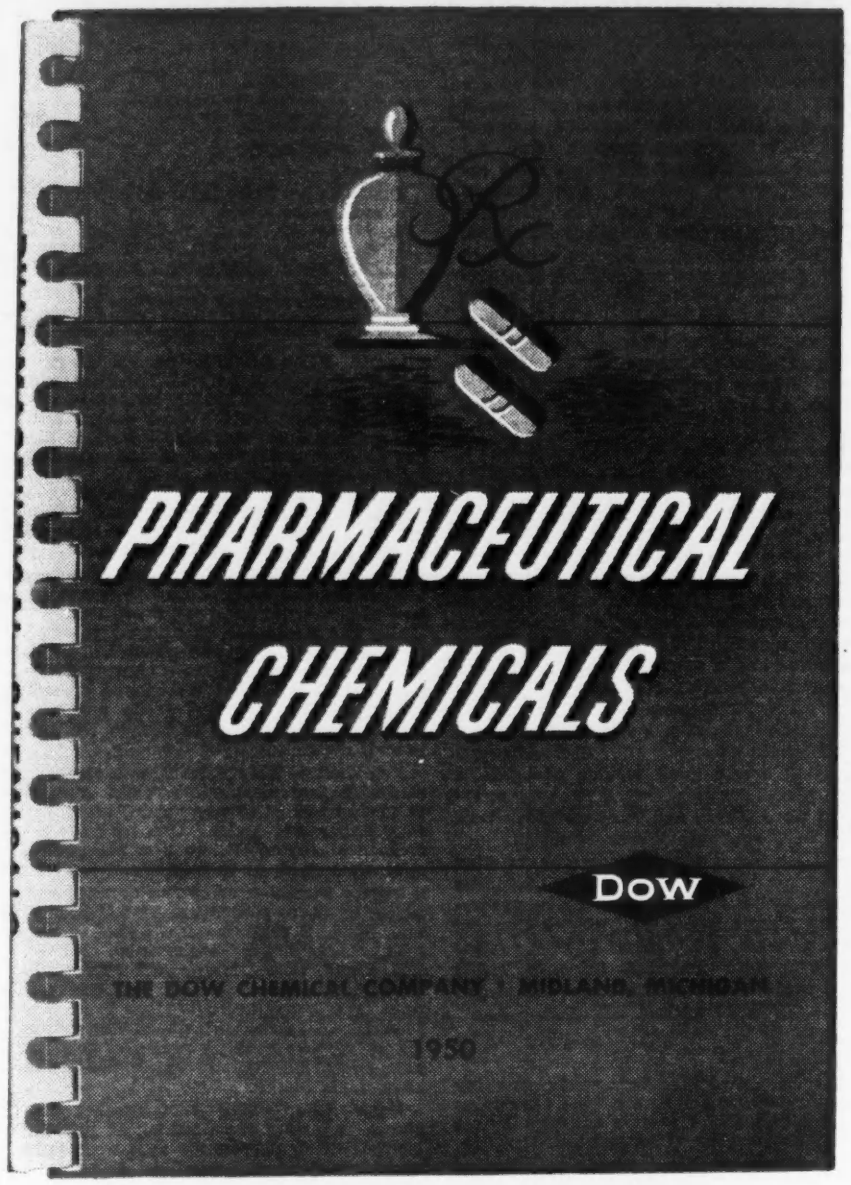

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Drugs and Fine Chemicals

The bullish tone in solvents gained added strength last week, as one fermentation producer effected increases on butyl alcohol, butyl acetate and ethyl acetate and another raised alcohol schedules. At the same time, one maker's less carlot price on synthetic methanol was hoisted in zone 1. There was an advance in one quarter on phenolphthalein and manganese glycerophosphate. Synthetic glycerin, cocoa butter, blackstrap molasses and thiourea were similarly higher. On the down side were higher potencies of fishliver oil concentrates and natural menthol. The index dropped 0.8 point to 256.2.

One seller of fermentation grades of butyl alcohol, butyl acetate and ethyl acetate upped prices one cent, effective immediately on spot and October 1 on contract. The move followed recent like rises on synthetic grades.

Boosts of 6 cents per gallon were announced last week by one producer of alcohol, effective immediately on spot and October 1 on contract. Upped were completely denatured, certain specially denatured grades, proprietary solvent and pure ethyl material. Other sellers maintained previous schedules, and gave no indication of any similar rises within the immediate future.

Less carlot quantities of synthetic methanol were raised 2 cents per pound by one marketer in zone 1. No action was taken or immediately contemplated by other producers, and at week's end split prices on this quantity bracket prevailed in the eastern area. Phenolphthalein was advanced 10 cents per pound in one quarter, reflecting higher costs of the coaltar product. This seller, also a producer of manganese glycerophosphate, upped that material 35 cents.

Synthetic glycerin received a 4½-cent boost. Natural material was firm and very short. Blackstrap molasses was 2 cents per gallon higher in both New York and New Orleans markets. However, since there were no offerings, the prices were regarded as nominal. Thiourea was advanced 2 cents per pound. Cocoa butter gained 6½ cents per pound, but because of the dearth of material prices were regarded as nominal.

Although crude fishliver oil in Japan was reported to have a stronger tone, higher potencies of concentrates were lowered one cent to 5 cents per million units in this country. The declines, attributed for the most part to recent steep reductions in synthetic vitamin A palmitate and acetate, applied only to potencies of 300,000 A units to 700,000 A units, inclusive. Synthetic vitamin A, meanwhile, stabilized at new lower levels. Natural material was firm.

New York dealers in natural menthol rolled back prices 25 cents per pound following recent sharp rises. Offerings were primarily Chinese material and there was not too much of that around. Demand sloughed off somewhat.

Market Trends

Prices Advanced

Cocoa butter, 6½c. per lb.
Glycerin, synthetic, 4½c. per lb.
Molasses, blackstrap, 2c. per lb.
Thiourea, 2c. per lb.

Prices Reduced

Fishliver oil, prime, natural or concentrates, 300,000 A units, 1c. per million units.
400,000 A units, 2c. per million units.
500,000 A units, 3c. per million units.
700,000 A units, 5c. per million units.
Menthol, natural, 25c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 29, 1949
256.2	257.0	255.8	254.4	264.0

(For Current Prices see Page 9)

Alcohol — One seller announced increases of 6c. per gallon, effective immediately on spot and October 1 on contract. Affected by the move were completely denatured grades, certain specially denatured types, proprietary solvent and pure ethyl material. Other makers failing to take any immediate action, split prices on all quantities of these types prevailed on spot at the week's end. Furthermore, there was no indication from any official quarter within the market that these advances would take hold generally, at least, within the immediate future. Most sellers were reported to prefer a wait-and-see attitude, figuring that they had plenty of time to make up their minds before the expiration of the quarter.

The volume of business, meanwhile, continued heavy. Producers were reported to be holding customers down to previous quantities. With stocks narrowing, occasional spot buyers were said to be having increasing difficulty in locating material. As of last week, there were no reports of any known or contemplated large-scale production of potato alcohol.

Butyl Alcohol—One maker of fermentation last week announced a 1c. boost in that material, effective immediately on spot and October 1 on contract. Other fermentation producers stood pat, and, at Friday's close, a range of 12c. to 13c. per pound prevailed for tankcar quantities. Earlier, another producer had raised normal synthetic and secondary butyl alcohols 1c. apiece immediately on spot and October 1 on contract.

Castor Oil—Beans held steady at $115 per long ton for nearby and $110 for October shipment. USP oil settled at higher levels in the wake of recent increases of ½c. per pound.

Imports of beans last week amounted to 5,230 bags, equivalent to 784,500 pounds, compared with 3,010 bags, or 451,500 pounds, during the previous week and 37,553 bags, or 5,632,950 pounds, during the corresponding period of 1949.

Total imports of beans since January 1, this year, aggregated 825,455 bags, equivalent to 123,818,250 pounds, as against 1,008,354 bags, or 151,253,100 pounds, brought in during the corresponding period of last year.

Cocoa Butter—The continued rise in the cocoa bean market brought a further rise in butter last week, the latter material gaining another 6½c. per pound. Dealers quoted 81½c. per pound nominal.

Ester Solvents—Following the lead set by another maker earlier on synthetic grades, one supplier of fermentation butyl acetate and fermentation ethyl acetate last week effected 1c. advances on both materials, effective immediately on spot and October 1 on contract. Other sellers, while giving no indication of going along immediately, were expected to take similar action, perhaps later in the quarter. One observer pointed out that there was virtually no point in moving up ethyl acetate at this juncture, since the majority of business was done on contract and increases could not take effect until October 1, anyway.

Fishliver Oil—Higher potency concentrates were off 1c. to 5c. per million units in last week's market following recent sharp reductions in synthetic vitamin A. Crude fishliver oil, however, held its ground at previous levels. In fact, reports from the Japanese market indicated a stronger tone at that source, with quotations on some potencies rising a full 1c. per million units.

Following is a breakdown of the week's price action on concentrates by potency and their new going market listings:—100,000 A units, no change, 16c.; 200,000 A units, no change, 17c.; 300,000 A units, off 1c., 17c.; 400,000 A units, off 2c., 18c.; 500,000 A units, off 3c., 18c., and 700,000 A units, off 5c., 18c. per million units. Prices quoted above are for potencies computed by the Morton-Stubbs method. Listings for potencies based on the USP XIII method are 1c. per million units below those quoted above.

Glycerin—The price of synthetic material last week was advanced 4½c. per pound, moving the tankcar quotation up to the level of 27½c. per pound, f.o.b. Houston, Tex. Output of synthetic glycerin, which got into full swing last Fall, has been entirely taken up by contract customers. While limited quantities have been available on the open market from time to time, the producer stated that no such offerings have been made in recent months and that, in view of current conditions, there was little or no possibility of any such spot material making its way outside of regular contract channels.

Demand for natural glycerin, both crude and refined, meanwhile, was heavy. Sellers were reported to be using quota systems to insure equitable distribution of material to all customers. One such system was to limit buyers to their normal monthly purchases, based on sales over the first six months of this year. Supplies were very short, and indications in the

For Late Market Developments, See Page 4

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trade were that they would become increasing scarce before long.

Ketone Solvents—Although schedules of one maker were 1c. higher on methylethyl and methylisobutyl ketones last week, other sellers stood their ground. As a result, split prices prevailed, tankcar quantities commanding 9c. to 10c. per pound and 11c. to 12c. per pound, respectively. With sellers adopting a wait-and-see attitude, indications were that this divergence of price views would continue in effect for, at least, the next several weeks.

Manganese Glycerophosphate — One producer last week advanced the price of this material 35c. per pound. Other makers did not immediately go along and, at week's end, prices ranged from $4.15 to $4.60 per pound for quantities ranging from 1,000 pounds down to 100-pound lots.

Mannitol — The price position of this polyhydric alcohol was firm, and ton lots were quoted at 40c. per pound, with smaller quantities ranging from 43c. to 53c. per pound, depending upon quantity. These prices applied to the commercial grade, and were on an f.o.b. basis. The reagent grade in 50-pound packages was listed at 85c. per pound and in smaller quantities at 95 cents per pound.

Menthol—New York dealers in natural material rolled back prices 25c. per pound last week following recent steep advances. The going market price ranged from $12.25 to $12.50 per pound. Demand was said to have sloughed off somewhat. There was practically no Brazilian material available, and spot offerings of Chinese were reported few and far between. The trade indicated that there was some material afloat for nearby shipment, but pointed out that these stocks would not do much in the way of alleviating the short position of the material in the New York market, at least, during the immediate future.

Methanol — One producer of synthetic methanol last week announced a 2c. per pound advance on the less carload price in zone 1. Other sellers stood pat, and at week's end a range of 41c. to 43c. per pound on l.c.l. quantities prevailed in that area. Carload and tankcar listings in zone 1 remained unchanged all around, continuing at 38c. and 26c. per pound, respectively.

The status quo was maintained in zone 2. Carload and tankcar quotations continued at ranges of 1½c. per pound, as they have for past months. Following are zone 2 prices:—Carload, 43½c. to 45c.; l.c.l., 46½c., and tankcar, 29½c. to 31c. per pound.

Production of natural methanol during 1949 totaled 2,030,000 gallons, according to the Bureau of Census. This compares with 2,366,000 gallons in 1948, 2,598,000 gallons in 1947, 2,306,000 gallons in 1946 and 2,814,000 gallons in 1945.

Milk Powder—Government purchases of spray process skimmed milk powder during the week ended July 20 totaled 9,998,720 pounds. Purchases of roller process during that period amounted to 3,426,806 pounds. Total purchases of nonfat dry milk solids this year come to 288,259,138 pounds, as compared with 260,870,344 pounds bought during the corresponding period in 1949.

The government announced the sale of 45,000,000 pounds of skimmed milk powder to the United Nations International Children's Emergency Fund for use in school lunch and child feeding programs in foreign countries. The action reduces unsold government stocks to about 315,000,000 pounds.

Molasses—There was practically no molasses to be had in this country last week, and the price of blackstrap, as a result, moved up 2c. per gallon in both New York and New Orleans markets. Tankcars at both points brought a nominal quotation of 15c. per gallon.

Penicillin—Demand continued heavy and supplies were on the short side, with manufacturers operating against a backlog of orders on many dosage forms. Bulk prices were unchanged from rock-bottom levels established last January. No price changes in the weeks immediately ahead were expected.

New Delhi reported that import licenses were being freely granted to holders of drug licenses under the Drugs Control Act of 1940 for importation of penicillin from either hard or soft currency areas. Liberalization of the import policy was attributed to the continued shortage of the antibiotic in India.

Phenolphthalein — One producer last week effected advances of 10c. per pound on all quantities. Since other makers stood pat as of press time, following were quotations on USP or yellow at Friday's close:—2,000 pounds, $1 to $1.10 per pound, and smaller lots, $1.02 to $1.17 per pound.

Silver Nitrate—Silver bullion held firm during the period, and prices on this and

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other silver salts remained unchanged. Annual production of silver nitrate during the past five years, as reported by the Bureau of Census, was as follows:—1949, 41,025,000 ounces; 1948, 50,894,000 ounces; 1947, 38,336,000 ounces; 1946, 47,857,000 ounces, and 1945, 57,812,000 ounces.

Sorbitol—Demand continued at a high level for this polyhydric alcohol. Supplies were regarded as adequate. Prices were unchanged from levels which have prevailed in the market over the last fifteen months. Crystalline pellets were quoted at 30c. per pound, f.o.b. works, in carlots packaged in 200 or 325 pound drums. Similar packaging in five-ton lots were quoted at 32c. per pound, and ton lots at 33c. Less than ton quantities ranged from 35c. to 41c. per pound.

Powdered sorbitol in five ton lots was quoted at 38c. per pound, and in one ton lots at 39c. Less than ton quantities were quoted at 40c. to 55c. cents per pound, varying as to quantity. The regular 70 percent sorbitol solution in tankcars was quoted at 15½c. per pound, 16¼c. in carlot drum quantities, and 17c. in ton lots. A single fifty-five gallon drum containing 600 pounds was quoted at 17½c. per pound. Smaller lots were listed at 26½c. per pound. These prices were f.o.b. works.

Meanwhile, the commercial grade of sorbitol solution in tankcars was quoted at 21½c. per pound in tankcars, 22¼c. in drum carlots, and 23¼c. in ton lots. A single fifty-five gallon drum containing 600 pounds was quoted at 24c. per pound. Smaller quantities were priced at 33c.

Thiourea—Prices were advanced 2c. per pound last week. As a result of the week's action, following are current market listings:—Carload, 44c., and l.c.l., 46c. per pound.

Trimethylamine—Prices were firm at 33c. per pound in tankcars, 38c. in carlots and 38½c. in less than carlots. These prices were on a freight equalized basis, and represented the price per pound of amine, on a 100 percent basis. They applied to the 25 to 40 percent solutions. The same price schedule, but with different quantity brackets applied to the anhydrous amine in returnable cylinders. Supplied in a pressure car, the carlot price of the anhydrous material was 33c. per pound. A price of 38c. per pound prevailed on anhydrous amine in 100 pound cylinders purchased in quantities of 5,000 pounds or more. In less than 5,000 pound lots, the 100 pound cylinders ranged in price from 38½c. upward varying as to quantity. Supplies were regarded as adequate to take care of the current fairly good demand.

Vitamin A—Quotations on natural vitamin A were maintained during the period, notwithstanding recent reductions of 6c. per million units on both synthetic palmitate and acetate. Not only did the trade feel that any lowerings in natural were unlikely, but, on the contrary, sellers were of the opinion that if natural prices changed, they would probably be on the up side because of higher replacement costs. Synthetic listings, meanwhile, firmed at 18c. per million units on both the acetate and palmitate.

Filtrol Moves Headquarters

The Filtrol Corporation has moved into new headquarters at 727 West Seventh street, Los Angeles, Calif., it was announced last week. The company produces catalysts, adsorbents, desiccants, other chemically treated materials, coated seeds, etc., for the petroleum, fatty oil, protective packaging, chemical, biological, dry cleaning and agricultural fields.

Breon Distributes Catalog

George A. Breon & Co. has completed distribution of its new catalog listing 300 different products of the company. It has been published in loose leaf form to permit inclusion of information of new materials as they are added to the company's line. In its present form, it numbers ninety-six pages, including a complete general and therapeutic index.

Trade Briefs

McKesson & Robbins, Inc., New York, is constructing a new, one-story office and warehouse in Sacramento, Calif.

Hans C. Todt, controller of Bristol Laboratories, Inc., has been elected first vice-president of the Syracuse chapter of the Controllers Institute of America.

United International Research, Inc., Long Island City, N. Y., wishes to announce to the trade that it will be closed for the first week in August for summer vacation.

Chas. Pfizer & Co., Brooklyn, N. Y., has added to its staff Lloyd H. Conover, a research chemist who recently received the degree of doctor of philosophy in chemistry from the University of Rochester.

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NPC Studying Steel Needs of Oil Industry

The chairman of the National Petroleum Council today announced the appointment of a committee on petroleum industry steel requirements. The committee was appointed in response to a request from the Secretary of the Interior, dated July 21.

In requesting the committee the secretary pointed out that, because of the increased rate of production of military equipment and supplies, steel may again be scarce. He requested that the Council make a thorough study of the oil and gas industries essential steel requirements and provide complete information with respect to quantities and kinds of steel required by the American oil and gas industries in the United States and abroad to maintain an adequate supply of petroleum and products to meet the Nation's needs.

Chairman Walter S. Hallanan has urged the newly appointed committee, headed by Russell B. Brown, general counsel for the Independent Petroleum Association of America, Washington, D. C., to undertake its assignment at the earliest possible date.

The committee, according to Mr. Hallanan, will ascertain the facts and report to the council as to quantities and kinds of steel needed by all branches of the petroleum and natural gas industries to maintain adequate supplies of petroleum and products including natural gas to meet military, industrial and civilian essential requirements. The membership of the committee in addition to the chairman, Russell B. Brown, is as follows:—

K. S. Adams, Phillips Petroleum Company, Bartlesville, Okla.; Hines H. Baker, Humble Oil & Refining Company, Houston; Warren S. Churchill, American Association of Oilwell Drilling Contractors, Dallas; Stuart M. Crocker, the Columbia Gas System, Inc., New York; J. C. Donnell II, the Ohio Oil Company, Findlay, Ohio; Fayette B. Dow, National Petroleum Association, Washington; R. G. Follis, Standard Oil Company of California, San Francisco.

Robert L. Foree, Texas Independent Producers and Royalty Owners Association, Dallas; B. C. Graves, Union Tank Car Company, Chicago; R. H. Hargrove, Texas Eastern Transmission Corporation, Shreveport, La.; Harry B. Hilts, Atlantic Coast Oil Conference, Inc., New York; Eugene Holman, Standard Oil Company (N. J.), New York.

D. A. Hulcy, Lone Star Gas Company, Dallas; B. Brewster Jennings, Socony-Vacuum Oil Company, New York; William M. Keck, Jr., the Superior Oil Company, Los Angeles; B. L. Majewski, Deep Rock Oil Corporation, Chicago; L. F. McCollum, Continental Oil Company, Houston; N. C. McGowen, United Gas Corporation, Shreveport, La.; S. F. Ninness, National Tank Truck Carriers, Inc., Downingtown, Penn.

Frank M. Porter, American Petroleum Institute, New York; Walter R. Reitz, Quaker State Oil Refining Corporation, Oil City, Penn.; A. S. Ritchie, Wichita, Kansas; W. S. S. Rodgers, the Texas Company, New York; A. H. Rowan, A. H. and C. L. Rowan, Fort Worth; W. G. Skelly, Skelly Oil Company, Tulsa.

Reese H. Taylor, Union Oil Company of California, Los Angeles; G. A. Thompson, Petroleum Equipment Suppliers Association, Tulsa; J. Ed Warren, Independent Petroleum Association of America, Midland, Tex.; Robert E. Wilson, Standard Oil Company (Indiana), Chicago; and H. E. Zoller, the Derby Oil Company, Wichita, Kansas.

Du Pont Develops New Flame-Retardant Plastic

A high-quality plastic electrical insulation which will not support combustion has been developed in the laboratories of the polychemicals department of E. I. du Pont de Nemours & Co. It is now available in commercial quantities and is being offered to the wire and cable and electrical industries as "Rulan" flame-retardant plastic.

Whereas flammability has been a characteristic disadvantage of plastics with good electrical properties, tests with "Rulan" have shown that it will not burn after the flame has been removed. Neither will it drip when molten, a further advantage since hot plastic drippings are likely to start other fires.

Its electrical properties are comparable to, although not the equivalent of, those of polythene which is one of the best insulating materials known, particularly in high-frequency electrical applications.

Innis, Speiden Brochure Offered

"How To Do Soil Fumigation with Larvacide," is the title of a six-page, two-color brochure just released by the insecticide division of Innis, Speiden & Co., New York. Included in the brochure are techniques for using "Larvacide" against damping-off, wilts, roots rots and weed seeds. Methods are outlined for using the tear gas fumigant for control of nematodes (eelworms) and other insects found in the upper twelve inches of soil. The brochure, which contains a wealth of up-to-date information on soil fumigation, is available upon writing to the company at 117 Liberty street, New York 6.

Socony-Vacuum Renews Georgia Tech Fellowship

Socony-Vacuum Oil Company, New York, has awarded $2,000 to Georgia Institute of Technology, Atlanta, Ga., for renewal of a fellowship in chemical engineering during the year from September 15, 1950, to June 30, 1951. A total of twenty fellowships will be supported by Socony-Vacuum during the 1950-51 academic season at colleges and universities throughout the country at a total cost of $40,000. They represent nineteen renewals and one new felowship.

Canadian Chemical Firm Invites American Offers

Mackenzie & Feimann, Ltd., Vancouver, Canada, has invited offers from U. S. chemical manufacturers. The Canadian concern, which maintains a full staff of sales representatives and ample warehouse facilities, markets a complete line of heavy and fine chemicals, tanning supplies, waxes and protective coatings materials.

Inquiries may be directed to D. Koch, managing director, Mackenzie & Feimann, chemical division, 845 East Hastings street, Vancouver, B. C., Can.

Oil Reserve Producing Ability Survey Asked

Members of the Interstate Oil Compact Commission have been asked by Governor R. J. Turner of Oklahoma to furnish figures on additional daily oil reserve producing ability of their states when the commission meets in French Lick, Ind., August 3 to 5. If the project is carried out, it will mark the first authoritative survey made by the states.

Snell Lets Lab Contracts

Foster D. Snell, Inc., New York, has announced the letting of contracts for the first unit of its laboratories in Bainbridge, N. Y. Construction will be of concrete and brick on approximately one acre acquired for the purpose. The present structure is a single wing of a structure providing for four wings with extensions. This first unit will be occupied by the Supplee division conducting vitamin work and supplying animals to other laboratories.

Fair Trade Law Fight Looms in Florida Court

The decision of Circuit Court Judge Victor O. Wehle declaring Florida's voluntary fair trade law unconstitutional will be appealed to the state's supreme court by Seagram Distillers, it was announced last week by the Bureau of Education on Fair Trade.

The court held the law invalid on June 26 in a case brought by the liquor company against Ben Green, Inc., a St. Petersburg retailer, for violation of a fair trade price contract. Only two Florida counties were affected by the ruling, with fair trade contracts still legal in the remainder of the state.

The Supreme Court appeal will be filed by Seagram's sometime during the sixty-day period allowed by law following the adverse decision. Druggists in the state will be represented in the test suit by R. Q. Richards, secretary-manager of the Florida Pharmaceutical Association, and owner of the Royal Palm Pharmacy in Ft. Myers, who will appear as intervenor.

Vinyl Acetate Bulletin Published by Niacet

Niacet Chemicals Division of United States Vanadium Corporation, a unit of Union Carbide & Carbon Corporation, New York, has published a new bulletin on its vinyl acetate, which presents in detail physical and chemical properties, latest specifications and information on shipping and handling. Copies of "Niacet Bulletin 17" can be obtained from the division at 966 Niagara building, Niagara Falls, N. Y.

Champion Paper & Fibre Headed by Robertson, Jr.

Reuben B. Robertson, jr., has been elected president of Champion Paper & Fibre Company, Hamilton, Ohio, succeeding his father, who was elected to the newly-created post of chairman of the board. The new president joined Champion Fibre Company, Canton, N. C., then a subsidiary of Champion Paper, in 1931. In 1935 he was elected vice-president of the parent firm, and recently has been executive vice-president.

Anglo-Irania Oil Names Jackson Deputy Chairman

Basil R. Jackson has been appointed deputy chairman of Anglo-Irania Oil Company, Ltd., to succeed Sir H. B. Heath Eves, who has resigned as deputy chairman and managing director but remains on the board.

Petroleum Comm. Named

Appointment of a committee on military and government petroleum requirements in response to a request from the Secretary of the Interior was announced last week by the National Petroleum Council. The committee will undertake an immediate assignment of finding additional emergency supplies for some petroleum products which have been requested by the military.

Nitchie Gets Glidden Food Division Post

Appointment of Edward B. Nitchie as director of manufacturing of the Durkee Famous Foods Division of The Glidden Company has been announced by Dwight P. Joyce, president. Formerly an executive assistant in the Durkee headquarters office, Mr. Nitchie will be responsible for direction of all manufacturing and research activities of Durkee Famous Foods throughout the United States.

A graduate of Sheffield Scientific School of Yale University, he first became associated with the Glidden Company in 1940 as superintendent of the Elmhurst, L. I., plant. From 1945 to 1948 he was associated with the Cutter Laboratories, Berkeley, Calif., and from 1948 to 1949 with Basic Refractories, Inc., Cleveland.

Hide Glue Output: 1949

Production and shipments of hide glue were lower in 1949 as compared with 1948, according to statistics released last week by the Bureau of the Census of the Department of Commerce. Production, shipments and stocks for the two years were reported as follows:—

	Pounds	
	1949	1948
PRODUCTION		
Hide glue, total	57,618,817	69,669,821
Low grade	21,155,119	27,575,917
Medium grade	14,457,178	18,367,787
High grade	14,062,259	16,269,715
Extra high grade	7,944,261	7,456,402
SHIPMENTS		
Hide glue, total	51,894,113	68,746,798
Low grade	19,293,085	25,049,851
Medium grade	14,803,312	20,719,182
High grade	11,217,276	15,923,599
Extra high grade	6,580,440	7,054,166
STOCKS (END OF YEAR)		
Hide glue, total	11,884,633	6,159,929
Low grade	4,573,514	3,617,782
Medium grade	2,574,170	1,109,998
High grade	3,307,948	1,009,847
Extra high grade	1,429,001	422,302

Industrial Application

—Continued from page 7

ful as solvents and otherwise as high-boiling liquids.

Starting point (Brit. 591771) in making complex silanes.

Lubricant—Claimed (Brit. 591771) as lubricants.

Miscellaneous—Claimed (Brit. 591771) useful as solvents and otherwise as high-boiling liquids.

Paint, Varnish, and Lacquer—Claimed (Brit. 591771) useful as solvents and otherwise as high-boiling liquids.

Resin—Starting points (Brit. 591771) in making resinous compositions.

Dihydroxydiphenylsulphone

Chemical—Organic compound which is a high-melting, slightly water-soluble solid, undergoing reactions typical of phenols and sulphones, suggested for experimental use in acylation reactions, aldehyde condensations, alkylations, esterifications, etherifications, and other syntheses of organic chemicals.

Dye—Intermediate in making synthetic dyestuffs.

Metallugical—Electrolyte additive in electrodepositions of metals.

Resin—Intermediate in making synthetic resins.

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AGAR—5 bls, Lo Curto & Funk, Kobe
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ALMOND OIL, BITTER—6 cs, Magnus, Mabee & Reynard, Rotterdam
ALUMINUM SULPHATE—30 bgs, Charles Tennant Sons, Liverpool
TITANIUM ALLOY—6 dms, J W Hampton, Jr, London
AMMONIUM CHLORIDE—398 bgs, Chemical Manufacturing Co, Liverpool
1,605 bgs, Westminister Bank, Liverpool
ANILIN COLORS—5 cs, Lansen Naeve, Rotterdam
ANNATTO SEED—49 bgs, Marcel Calvet, Callao
ANTHRACENE—23 bbls, American Union Transport, Rotterdam
ANTIMONY ORE—333 bgs, Assoc Metals & Minerals, Antofagasta
ARABIC GUM—100 bgs, National Import & Export Co, Port Sudan
503 bgs, Irving Trust Co, Port Sudan
250 bgs, Dodwell & Co, Port Sudan
450 bgs, Innis Speiden, Port Sudan
250 bgs, P A Dunkel, Port Sudan
316 bgs, Manufacturer's Trust Co, Port Sudan
150 bgs, Tragacanth Import Co, Port Sudan
100 bgs, J Holt, Nigeria
ARROWROOT—1,993 bgs, Morningstar Nicol, St Vincent
ARSENIC—90 dms, Overseas Metal & Ore Corp, London
ASBESTOS FIBER—200 bgs, Commercial National Bank, Lourenco Marques
125 bgs, Pellew Wilson, Durban
BARIUM SULPHATE—40 kgs, Liverpool
BEESWAX—1 bg, Pellew Wilson, Melbourne
60 bls, J E Eberhardt, Rotterdam
118 blocks, R D Heins, Aden
116 blocks, Djibouti
70 blocks, Koster Keunen, Djibouti
142 bgs, E A Bromund, Tamatave
35 serroons, Robinson Wagner, Puerto Plata
42 bgs, Geck Trading Corp, Ciudad Trujillo
70 seroons, Porcella Vicini, Puerto Plata
122 bgs, Marine Midland Trust Co, Lisbon
163 bgs, W Diehl, Valparaiso
BERYL ORE—137 bgs, Watson Geach, Capetown
BISMUTH BARS—87 cs, Cerro De Pasco Copper, Callao
BLEACHING EARTH—4 dms, Lummes Co, Rotterdam
MEAL—600 bgs, International Expediters, Bremen
BRUCINE—3 cs, Lo Curto & Funk, Glasgow
BUCHU LEAVES—5 bls, Michelsen & Sternberg, Cape Town
BUTTONLAC—50 bgs, Ralli Bros, Calcutta
CAMPHOR—100 cs, Max Van Pels, Keelung
CARAWAYSEED—250 bgs, Rotterdam
200 bgs, R J Spitz, Rotterdam
100 bgs, Catz American Seed Co, Rotterdam
CASEIN—400 bgs, Chase National Bank, Ponta Delgada
1,247 bgs, Buenos Aires
CASSIA—200 bls, Frank Tea & Spice Co, Djakarta
375 bls, U S Industrial Chemicals, Djakarta
150 bls, R J Spitz, Hong Kong
350 bls, W M Allison, Hong Kong
BUDS—51 bgs, R F Downing, Hong Kong
CASSITERITE—12 bbls, National City Bank, Leixoes
CASTORBEANS—623 bgs, Marcel Calvet, Bahia De Caraquez
363 bgs, Spencer, Kellogg & Co, Port Au Prince
3,387 bgs, Spencer, Kellogg, Salvador
950 bgs, Baker Castor Oil Co, Salvador
OIL—100 dms, Charles Tennant Sons, Buenos Aires
CELLULOSE LACQUER—1 cs, W S Speed Audio Devices, London
CHARCOAL, COCONUT SHELL—1,722 bgs, Holland Colombo Trading, Colombo
CHEMICALS—30 dms, F H Taussig, Hamburg
785 cks, Marks & Coyle, Hamburg
CHINA CLAY—1,176 bgs, English China Clay Sales, Avonmouth
CHROME ALUM—5 cs, H A Gogarty, Rotterdam
ORE—8,969.575 lbs, Lourenco, Marques
CINCHONA PRODUCTS—27 cs, Guaranty Trust Co, Rotterdam
CINNAMON QUILLS—50 bls, Charles T Wilson, Colombo
CITRONELLA OIL—25 dms, Lo Curto & Funk, Hong Kong
14 dms, Magnus, Mayhee & Reynard, Colombo
CLOVE OIL—34 dms, Ungerer & Co, Tamatave
LEAF OIL—26 dms, Magnus, Mabee & Reynard, Tamatave
COCHINEAL—5 bgs, Zoban, Inc, London
GRAY—60 bgs, Zaban, Inc, London
COCONUT OIL—255 tons, Manila
180 tons, Western Vegetable Oil, Manila
COD OIL—100 dms, E F Drew, St Johns
RESIDUE—50 dms, Salem Oil & Grease Co, Antwerp
CODLIVER OIL—50 dms, Vitaron Chemical Manufacturing Co, St Johns
SETTLINGS—5 dms, Vitaron Chemical Manufacturing Co, St Johns
COPAL GUM—186 bkts, Sino Java, Inc, Macassar
56 bkts, W H Scheel, Macassar
119 bkts, S Winterbourne, Macassar
830 bkts, Internatio Rotterdam, Macassar
279 bkts, O G Innes Corp, Macassar
86 bkts, Cillespie-Rogers-Pyatt, Macassar
33 bkts, Thurston & Braidich, Macassar
20 cs, Internatio Rotterdam, Inc, Manila
44 bgs, W H Scheel, Manila
87 bgs, O G Innes, Manila
COPRA—500 tons, El Dorado Oil Works, Castanas
600 tons, El Dorado Oil Works, Quinobigan
1,000 tons, El Dorado Oil Works, Isabela
CORIANDER OIL—10 cs, Magnus, Mabee & Reynard, Rotterdam
COTTON LINTERS—316 bls, Williams Northrup, Karachi
100 bls, Lush Cotton Products, Cristobal
CRESYLIC ACID—200 dms, Glasgow
200 dms, Republic Chemical Corp, London
271 dms, H A Gogarty, Liverpool
DAMMAR GUM—50 bgs, U S Industrial Chemicals, Djakarta
70 bgs, U S Industrial Chemicals, Singapore
33 bgs, J Berlage, Singapore
210 bgs, Internatio Rotterdam, Singapore
DETERGENTS—20 cs, E Fougera, London
DEXTRIN—70 bgs, Bank of Manhattan, Rotterdam
DIOL—2 dms, Advance Solvents & Chemical, Rotterdam
DRAGON'S BLOOD—10 cs, P A Hunt, Singapore
DRUGS, CRUDE—25 cs, S B Penick & Co, Shimidzu
40 bgs, S B Penick, Leixoes
DYESTUFFS—92 dms, Sandoz Chemical Works, Antwerp
EARTH COLOR—1,120 bgs, Smith Chemical & Color Co, Avonmouth
ESSENTIAL OILS—6 bbls, Citrus & Allied Essential Oils, Puerto Plata
2 cks, Citrus & Allied Essential Oils, Puerto Plata
24 dms, Villar & Osorio, Antwerp
EUCALYPTUS OIL—18 dms, Melbourne
5 dms, W J Bush, Lisbon
EUPHORBIA HERB—74 bls, Parke, Davis, Tuticorin
FISHLIVER OIL—3 dms, International Fisheries, Yokohama
MEAL—1,696 bgs, Chimbate
FERRO TANTALUM—8 dms, J W Hampton, jr, London
TUNGSTEN—280 cs, American Pac, Inc, Hong Kong
FERTILIZER—98 bgs, United Sterling Corp, Rotterdam
61 bls, Chase National Bank, Melbourne
12 bls, Chase National Bank, Melbourne
FUEL OIL—78,632 bbls, Metropolitan Petroleum Corp, Punta Cardon
201,000 bbls, Mexican Petroleum Corp, Aruba
102,980 bbls, New England Oil Corp, Punta Cardon
89,811 bbls, Port Petroleum Corp, Curacao
347,000 bbls, Esso Export Corp, Aruba
101,439 bbls, Hess, Inc, Curacao
101,043 bbls, Hess, Inc, Punta Cardon
10,000 bbls, Asiatic Petroleum Corp, Curacao
GELATIN, PHOTO—114 bbls, Fish Schurman, Rotterdam
POWDER—68 bgs, T M Duche, Rotterdam
50 bgs, T M Duche, Antwerp
GERANIUM OIL—1 dm, Norda Essential Oil & Chemical Co, Mombasa
GINGER—30 bgs, S B Penick, Kingston
GLUE, BONE—91 bgs, Sembodia Corp, Rotterdam
GLUESTOCK—435 bdls, M Aschheim, Rotterdam
343 rolls, J Gorvers, Barranquilla
9 bls, Gorack Corp, Manchester
GLUTEN FLOUR—135 bgs, Bank of Australia, Melbourne
WHEAT—112 bgs, Irving Trust Co, Sydney
GRAPHITE—2,400 bgs, Charles Pettinos, Tamatave
2,000 bgs, J Dixon, Tamatave
1 dm, Morse Bros Machinery Co, Tamatave
3,100 bgs, Asbury Graphite Mills, Tamatave
1 bg, Compex Corp, Colombo
GUM—357 bgs, Holland American Line, Rotterdam
GYPSUM—2,615 tons, Newark Plaster Co, Walton
8,922 tons, National Gypsum Co, Dingwall
HAARLEM OIL—10 cs, Rotterdam
HYALCOL—1 dm, Newbridge Chemical Co, Liverpool
HYOSCYAMUS HERB—8 bls, S B Penick, Port Sudan
IODINE, CRUDE—327 kgs, Tocopilla
60 kgs, J R Villasana, Yokohama
IPECAC ROOT—35 bgs, S B Penick, Barranquilla
IRISHMOSS—10 cks, T M Duche & Sons, Copenhagen
IRON OXIDE—435 bgs, C B Chrystal, Malaga
435 bgs, Whittaker, Clark & Daniels, Malaga
25 bbls, Whittaker, Clark & Daniels, Malaga
JAPAN WAX—20 cs, Fleischman Burd, Kobe
KYANITE ORE—50 tons, Trident Traders, Calcutta
LAMB GALL—4 bbls, Van Gelder Fanto, Rotterdam
LEMONGRASS OIL—6 dms, Magnus, Mabee & Reynard, Cochin
13 dms, Chevalier & O'Connor, Cochin
LICORICE ROOT—11,693 bls, Macandrews & Forbes, Basrah
LIME JUICE—10 cks, State Products Co, Roseau
10 cks, W J Bush & Co, Roseau
10 cks, J P W Van Laer, Roseau
LIVERMEAL—1,000 bgs, Bank of London, Montevideo
LOCUST BEAN GUM—200 bgs, T M Duche, Rotterdam
400 bgs, P A Dunkel, Rotterdam
400 bgs, Stein Hall, Piraeus
154 bgs, Bank of N Y & 5th Ave, Lisbon
MACE—55 cs, Karl H Landes, Macassar
11 cs, Joensson & Cross, Macassar
MAGNESITE CALCINED—228 bgs, Continental Ore Co, Madras
1,848 bgs, Golwynne Chemicals, Madras
20 bgs, S Watumall, Madras
MANDARIN OIL—20 qu cs, National City Bank, Messina
MANGANESE METAL—165 cs, J W Hampton, Jr, Yokohama
ORE—9 bgs, Charles Tennant, Calcutta
MANGROVE EXTRACT—1,700 bgs, Saxe Cutch Corp, Singapore
MEDICINAL FLOWERS—116 cs, Peek & Velsor, Rotterdam
10 bgs, J L Hopkins, Rotterdam
35 cs, J L Hopkins, Rotterdam
69 cs, R J Prentiss, Rotterdam
LEAVES—12 bdls, Banque Algeria, Algiers
11 bdls, Algiers
61 pks, Peek & Velsor, Rotterdam
ROOTS—76 bls, S B Penick, Lattakia
MENTHOL—16 cs, Volkart Bros, Rio De Janeiro
10 cs, G Lueders, Taku Bar
30 cs, Biddle Sawyer, Taku Bar
METACRESOTONIC ACID—3 kgs, H A Gogarty, Liverpool
MICA—30 cs, Sighert Loeb, Calcutta
50 cs, United Mineral & Chemical, Calcutta
115 cs, Hal Delphin, Calcutta
262 cs, Manchard Trading Corp, Calcutta
909 cs, Ameritex Development Corp, Calcutta
43 cs, Asheville Schoonmaker, Calcutta
279 cs, Otto Gerdau, Calcutta
75 cs, Transworld Shipping Corp, Calcutta
225 cs, Gillesnie Rogers Pyatt, Calcutta
766 cs, Cornelis & Suhr, Madras
4 cs, American Mica Works, Madras
270 cs, Hal Delphin, Madras
758 cs, United Minerals & Chemical Co, Madras
100 cs, Otto Gerdau, Madras
39 cs, A D Brown, Madras
25 cs, Ford Radio & Mica, Madras
16 cs, William Brand, Madras
41 cs, Cosmopolitan Trading Corp, Rio De Janeiro
1 cs, James F Garneau, Calcutta
314 cs, Manchard Trading, Calcutta
2 cs, Otto Gerdau, Calcutta
61 cs, Whittaker, Clark & Daniels, Calcutta
37 cs, United Mineral & Chemical, Calcutta
285 cs, Schwab Bros Corp, Calcutta
93 cs, Stein Hall, Calcutta
613 cs, Asheville Schoonmaker, Calcutta
391 cs, Cornelis & Suhr, Calcutta
5 cs, Hal Delphin, Madras
26 cs, Hal Delphin, London
24 cs, Brazilian Minerals & Timbers Corp, London
176 cs, Manchard Trading, Madras
85 cs, Siegfried Cassell, Calcutta
613 cs, Asheville Schoonmaker, Calcutta
58 cs, Hobers Export Agency, Calcutta
25 cs, Sighert Loeb, Calcutta
112 cs, Hal Delphin, Calcutta
755 cs, Eugene Munsell, Calcutta
296 cs, A D Brown, Calcutta
75 cs, Ford Radio & Mica, Calcutta
237 cs, Otto Gerdau, Calcutta
25 cs, Cornelis & Suhr, Calcutta
15 cs, Manchard Trading, Calcutta
40 cs, Gillespie Rogers Pyatt, Calcutta
462 cs, United Minerals & Chemicals, Calcutta
SCRAP—440 bgs, F D Pitts, Calcutta
MILK SUGAR—3 bgs, Gallard Chemical Corp, Rotterdam
MINT OIL—3 dms, Roure-Dupont, Tangier
MOLASSES—1,000 bbls, American Molasses Co, Bridgetown
MONTAN WAX—4,000 bgs, Redemann & Co, Bremen
200 bgs, Redemann & Co, Hamburg
MUSTARD BRAN—50 bgs, Atlantic Sales Co, Sydney
500 bgs, Atlantic Sales Corp, London
SEED—1,000 bgs, Rotterdam
300 bgs, Amaren Trading Corp, London
MYROBALANS—480 bgs, River Plate Import Export, Bombay
MYRRH GUM—14 bgs, R J Prentiss, Aden
27 bgs, Peek & Velsor, Aden
30 bgs, R D Heins, Aden
NUTMEGS—22 bgs, Gillespie & Co, St Vincent
136 bgs, Becker Mayer Seed Co, Macassar
73 cs, J Berlage, Macassar
OCOTEA CYMBARUM OIL—23 dms, Geismar & Co, Itajai
OENOCYANINE—40 bbls, Atlas Shipping Co, Genoa
1 cs, Atlas Shipping Co, Genoa
OLIVE OIL—184 dms, Credit Suisse, Malaga
210 dms, Central Hanover Bank, Malaga
150 dms, Malaga
210 dms, Hellenic Bank, Seville
747 dms, Manufacturers Trust Co, Seville
76 dms, American Trust Co, Seville
177 dms, National City Bank, Seville
50 dms, Public National Bank, Seville
100 dms, Credit Suisse, Seville
100 dms, Seville
100 dms, Chemical Bank & Trust Co, Seville
100 dms, 1st National Bank, Boston, Seville
75 dms, Irving Trust Co, Seville
25 dms, A Mascia, Naples
OPIUM—188 cs, Barr Shipping Co, Istanbul
OSSEINE—400 bgs, Coignet Chemical Co, Antwerp
OURICURY WAX—112 bgs, W R Grace & Co, Salvador
89 bgs, F B Ross Co, Salvador
OX GALL—1 dm, Van Gelder Fanto Corp, Rotterdam
67 dms, Brazilian Mineral & Timbers, Durban
11 dms, Pellew Wilson, Melbourne
2 dms, Sydney
9 bbls, International Packers Commercial, Brisbane
4 dms, Bio Products Co, Copenhagen
4 cks, Pellew Wilson, Buenos Aires
7 cks, C M Loeb Rhoades, Buenos Aires
4 cks, Van Gelder Fanto, Buenos Aires
4 tcs, Armour & Co, Buenos Aires
PAPAIN—71 cs, Charles L Huisking, Mombasa
PATCHOULI OIL—5 dms, A D Brown, Penang
PEATMOSS—75 bls, J E Bernard, Bremen
PEPPER, BLACK—80 bgs, M Golodetz, Cochin
140 bgs, Otto Gerdau, Singapore
70 bgs, Plantation & Colonial Products, Singapore
PERU BALSAM—2 dms, Florasynth Labs, Cristobal
PETROLEUM, CRUDE—123,496 bbls, Socony Vacuum Oil, Puerto La Cruz
123,864 bbls, Esso Standard Oil, Puerto La Cruz
178,856 bbls, Esso Standard Oil, Cartagena
126,730 bbls, California Refining, Puerto La Cruz
75,198 bbls, Cities Service Oil, Amuay
PIMENTO LEAF OIL—1 dm, George Lueders, Kingston
2 dms, Fritzsche Bros, Kingston
PITUITARY GLANDS—1 cs, Melbourne
PLATINUM, CRUDE—3 cs, Colamer Co, Buenaventura
POLLACKLIVER OIL—20 dms, Albumina Supply Co, Yokohama
150 dms, International Fisheries, Yokohama
130 dms, Nopco Chemical Co, Yokohama
112 dms, Consumers Import Co, Yokohama
50 dms, Albumina Supply Co, Yokohama
POTASSIUM CARBONATE—237 dms, Millmaster Chemical Corp, Rotterdam
CYANIDE—715 dms, Shalmir Shipping Co, Hamburg
100 dms, Liverpool
PERCHLORATE—150 cks, Charles Hardy, Havre
PSYLLIUM SEED—350 bgs, Parke Davis, Bombay
PYRETHRUM FLOWERS—414 bls, J Powell, Bombay
500 bls, McLaughlin, Gormley & King, Mombasa
10 bls, J Powell, Mombasa
PYRITE—1 cs, W H Muller, Amsterdam
PYRITES—440 cks, American Metal Co, Leixoes
QUASSIA CHIPS—225 bgs, S B Penick, Kingston
QUEBRACHO EXTRACT—1,025 bgs, Seubroson Trading Co, Buenos Aires
8,730 bgs, Tanimex Corp, Buenos Aires
QUINCE SEED—40 bgs, Meer Corp, Khoramshahr
RED GUM—4 cs, S B Penick, Melbourne
RESIN, SYNTHETIC SCRAP—61 bls, F L Kramer, London
ROOIBOSCH HERB—25 cs, Battle Creek Food Co, Durban
RUBOSIA LEAVES—33 bls, Inland Alkaloid Co, Brisbane
SAFFRON—4 cs, J Victori, Leixoes
SAGE LEAVES—20 bgs, Glasgow
22 bgs, Kellys American, London
SANDALWOOD OIL—3 cs, Roure-Dupont, Madras
9 cs, Givaudan Delawanna, Madras
SEEDLAC—100 bgs, Mantrose Corp, Calcutta
100 bgs, Colony Import Export, Calcutta
100 bgs, Haeuser Shellac Co, Calcutta
100 bgs, P N Rowe, Calcutta
100 bgs, Balex Co, Calcutta
200 bgs, G H Dockstader, Calcutta
1,400 bgs, Ralli Bros, Calcutta
600 bgs, Ralli Bros, Calcutta
SENNA LEAVES—31 bls, R J Prentiss, Colombo
36 bls, R J Prentiss, Tuticorin
SESAME SEED—330 bgs, Balfour, Guthrie, Cristobal
667 bgs, Independent Halvah, Cristobal
150 bgs, Louis Furth, Hong Kong
SHARKLIVER OIL—50 dms, Albumina Supply Co, Yokohama
40 dms, Consumers Import Co, Yokohama
20 dms, International Fisheries, Yokohama
30 dms, Collett, Week & Nibecker, Keelung
SHEEP GALL—2 dms, Sydney
SHELLAC—200 bgs, Ralli Bros, Calcutta
39 bgs, W Zinsser, London
200 bgs, Ralli Bros, Calcutta
SILVER—84 bars, Rotterdam
SODIUM-CARBONATE—7,466 bgs, Liverpool
SOLELIVER OIL—3 dms, Consumers Import Co, Yokohama
SOPHORA JAPONICA—200 bls, Fallek Products, Hong Kong
SPECIOSA WOOD—772,800 lbs, S B Penick, Port of Spain
STARCH—70 bgs, Bank of Manhattan, Rotterdam
SULPHAGUANIDINE—2 dms, Lo Curto & Funk, Antwerp
TAPIOCA FLOUR—1,346 bgs, Corn Products Refining Co, Puerto Plata
9,800 bgs, Stein, Hall, Itajai
2,633 bgs, Geismar & Co, Itajai
1,374 bgs, Geismar & Co, Imbituba
TEA WASTE—36 chests, Maywood Chemical Works, Halifax
73 chests, Albert Goldstein, London
4,037 bgs, Citro Chemical Co, Calcutta
2,026 bgs, Maywood Chemical Works, Calcutta
404 chests, Citro Chemical Co, London
440 bgs, Citro Chemical Co, London
THYMOL CRYSTALS—15 cs, Magnus, Mabee & Reynard, Hamburg
TONKA BEANS—15 cks, Royal Bank of Canada, Port of Spain
TRAGACANTH GUM—23 cs, Meer Corp, Khoramshahr
341 bgs, American Inter Asian Co, Khoramshahr
87 bgs, Khoramshahr
1,977 bgs, Meer Corp, Khoramshahr
225 bgs, M N Hakkak, Khoramshahr
TRIMETHYLXANTHIN—10 cks, Antwerp
TUMERIC—58 bgs, K A Export Corp, Madras
TUNG OIL—145 tons, China Mutual Trading Co, Hong Kong
224 tons, Pacific Vegetable Oil, Hong Kong
TUNGSTEN ORE—355 bgs, South American Minerals Corp, Callao
1,296 bgs, Melbourne
POWDER—10 cs, Fleischman Burd, Yokohama
4 dms, C Tennant, London
ULTRAMARINE BLUE—37 dms, Liverpool
VANADIUM CONCENTRATES—5,600 bgs, Vanadium Corp, Callao
VANILLA BEANS—23 cs, Middleton & Co, Port of Spain
70 ctns, Royal Bank of Canada, Roseau
1 cs, Dodge & Olcott, Roseau
9 cs, Barclays Bank, Roseau
8 cs, Royal Bank of Canada, Roseau
483 cs, Gillespie & Co, Tamatave
111 cs, F Huber, Tamatave
70 cs, J Manheimer, Tamatave
248 cs, Marine Midland Trust Co, Antalaha
278 cs, J Manheimer, Antalaha
267 cs, National City Bank, Antalaha
130 cs, Gillespie & Co, Antalaha
67 cs, East India Trading Co, Antalaha
382 cs, Antalaha
70 cs, Marine Midland Trust Co, Tamatave
46 cs, Tradesman Bank & Trust, Papeete
28 cs, National City Bank, Papeete
55 bls, S B Penick, Nagoya
15 cs, Strohmeyer & Arpe, Kobe
147 cs, Industrial Raw Materials, Kobe
WATTLE BARK—3,027 bls, Hammond & Carpenter, Durban
1,126 bgs, Olson Sales Agency, Mombasa
EXTRACT—2,097 bgs, Barkey Import Co, Mombasa
WHALELIVER OIL—3 dms, Collett, Week & Nibecker, Yokohama
WHITING—800 bgs, Pluess Stauffer, Antwerp
720 bgs, Sterling Drug Co, London
WOOL GREASE—28 dms, National Bank of Australia, Melbourne
WAX—19 dms, N I Malmstrom, Liverpool
YLANG YLANG OIL—3 cs, L A Champon, Tamatave
1 dm, L A Champon, Tamatave
ZIRCON SAND—3,060 bgs, Bank of New South Wales, Sydney
1,260 bgs, Millmaster Chemical Co, Brisbane
3,000 bgs, Orefraction, Inc, Brisbane

Baltimore

BONE—172 tons, Transatlantic Animal By-Products, Buenos Aires
BONES, CRUSHED—2,500 bgs, American Agricultural Chemical Co, Calcutta
CHROME ORE—12,335,814 lbs, Lourenco Marques
3,000 tons, F J Lavino, Masinloc
COPAL GUM—676 bkts, O G Innes Corp, Macassar
290 bkts, U S Industrial Chemicals, Macassar
COPRA—3,135 tons, Procter & Gamble, Cebu
IRON OXIDE, RED—870 bgs, Malaga
KYANITE ORE—100 tons, Trident Traders, Calcutta
MANGANESE ORE—949 tons, Ferro Metal & Chemical Corp, Calcutta
2,500 tons, Carnegie Illinois Steel Corp, Montevideo
100 tons, Philipp Bros, Calcutta
SCRAP—67,200 lbs, P C Beek, Calcutta
PEATMOSS—596 bls, S Shapiro, Bremen
POTASSIUM MURIATE—2,087 tons, French Potash Import Co, Antwerp
QUEBRACHO EXTRACT—623 bgs, River Plate Import & Export, Buenos Aires
2,063 bgs, Tanimex Corp, Buenos Aires
WATTLE BARK—1,370 bls, Hammond & Carpenter, Durban

Boston

AMMONIUM CARBONATE—20 dms, Chemical Manufacturing Co, Liverpool
FERTILIZER—161 bgs, 1st National Bank of Boston, Rotterdam
GLUE, ANIMAL—300 bgs, Rotterdam
METALLIC SALTS—78 dms, Liverpool
NAPHTHALENE—1,000 bgs, Monsanto Chemical, Antwerp
3,500 bgs, Antwerp
SODIUM CYANIDE—550 dms, Terra Chemicals, Inc, Rotterdam
TAPIOCA FLOUR—1,000 bgs, Geismar & Co, Itajai
WOOL GREASE—50 dms, Salem Oil & Grease Co, Bremen

Claymont

BAUXITE ORE—2,200 tons, General Chemical Division, Allied Chemical & Dye Corp, Paramaribo

Newport News

KYANITE ORE—915 tons, Charles Taylor, Calcutta
PEATMOSS—337 bls, W M Stone, Bremen
ZINC OXIDE—12,000 bgs, Wilfred Schade, Rotterdam

Norfolk

COCOA EXPELLER CAKE—1,200 bgs, Monsanto Chemical Co, Bahia
FERTILIZER—1,589 bgs, Weaver Tankage Corp, London
634 bls, Woodward & Dickerson, Bremen
STOCK—1,570 bgs, J C Jett, Manchester
HORNMEAL—812 bgs, J C Jett, Rotterdam
MICA—89 cs, Schoonmaker Mica, London
11 cs, Asheville Mica Co, Madras
57 cs, Asheville Mica Co, Calcutta
SCRAP—450 bgs, Asheville Schoonmaker, Calcutta
375 bls, W M Stone, Bremen
25 blocks, W M Stone, Bremen
PEATMOSS—375 bls, W M Stone, Bremen
QUEBRACHO EXTRACT—1,117 bgs, River Plate Import & Export Corp, Buenos Aires
WATTLE BARK—2,259 bls, American Dyewood, Durban
2,163 bls, Hammond & Carpenter, Durban
EXTRACT—1,082 bgs, Olson Sales Agency, Mombasa

Philadelphia

ANTIMONY ORE—735 bgs, C Tennant Sons, Arica
REGULUS—569 cs, Philadelphia National Bank, Rotterdam
ASBESTOS FIBER—4,480 bgs, Keasby & Mattison, Lourenco Marques
50 bgs, Philip Carey, Lourenco Marques
600 bgs, Ehret Magnesia Manufacturing Co, Lourenco Marques
BAG BLUE—620 ctns, Carson M Simon, Antwerp
BONEMEAL—6,191 bgs, Philadelphia National Bank, Calcutta
111,324 lbs, Manufacturers Trust Co, Dunkirk
CHEMICALS—24 cks, National City Bank, Rotterdam
CHROME ORE—4,500 tons, E J Lavino & Co, Masinloc
3,935 tons, E J Lavino, Lourenco Marques
CHROMITE—2,000 tons, E J Lavino & Co, Masinloc
CRESYLIC ACID—100 dms, Glasgow
GYPSUM, CRUDE—6,276 tons, U S Gypsum Co, Hantsport
LIVERMEAL—437 bls, Buenos Aires
MANGANESE ORE—9,600 tons, E J Lavino & Co, Takoradi
3,000 tons, Bank of Manhattan, Durban
MINERAL SAND—7,000 bgs, Philipp Bros, Brisbane
MOLASSES—682,172 gal, Publicker Industries, Manati
291,299 gal, Publicker Industries, Antilla
900,653 gal, Publicker Industries, Sagua de Tanamo

NUCLEINIC ACID—1 cs, Smith Kline & French Labs, London
PEATMOSS—600 bls, Dunwoody Co, Bremen
800 bls, Bank of Manhattan, Bremen
815 bls, Keer Maurer Co, Bremen
PETROLEUM CRUDE—291,621 bbls, Socony Vacuum, Mena Al Ahmadi
496,194 bbls, Gulf Oil Corp, Mena Al Ahmadi
115,459 bbls, Texas Oil Co, Las Piedras
201,844 bbls, Texas Oil Co, Pamatacual
246,608 bbls, Atlantic Refining Co, Puerto La Cruz
104,026 bbls, Atlantic Refining Co, Las Piedras
QUEBRACHO EXTRACT—559 bgs, Manufacturers Trust Co, Buenos Aires
RUTILE SAND—10,000 bgs, Orefraction Inc, Brisbane
SODIUM BICARBONATE—1,000 bgs, Chemical Manufacturing Co, Liverpool
UREA—1,500 bgs, Chemical Manufacturing Co, Glasgow
WHITING—1,100 bgs, N H Weitzner, Antwerp
ZIRCON SAND—11,000 bgs, Foote Mineral Co, Brisbane

San Francisco

AGAR—3 cs, Mutual Spice Co, Yokohama
BITUMEN EMULSIONS—1 cs, International Bitumen Emulsion Corp, London
BLEACHING POWDER—105 dms, Chemical Manufacturing Co, Manchester
BONE GLUE—20 bgs, Willits & Co, Tsingtao
MEAL—2,240 bgs, Transatlantic Animal By-Products, Antwerp
CARDAMOMS—20 cs, D Hecht, Bombay
CASSIA—60 bls, Cunningham & Co, Hong Kong
CHILLIES—25 bls, Bank of California, Durban
CHINA CLAY—32 bgs, Paper Makers Import Co, Rotterdam
COPAL GUM—130 bgs, O G Innes Corp, Manila
COPRA—500 tons, El Dorado Oil Works, Zamboanga
650 tons, El Dorado Oil Works, Jolo
EGG ALBUMEN, FLAKE—168 cs, Bowes Co, Hong Kong
GALLNUTS—924 bgs, Mallinckrodt Chemical Works, Hong Kong
160 bgs, Arnhold & Co, Tsingtao
YOLK SPRAY—168 cs, Stein Hall, Hong Kong
112 cs, Goldhill Foods, Hong Kong
112 cs, I Grop, Hong Kong
112 cs, Hong Kong
HERBS—38 bgs, Nature's Herb Co, Hamburg
1 cs, Nature's Herb Co, Hamburg
LOCUST BEAN GUM—50 bgs, T M Duche & Sons, Genoa
100 bgs, E S Browning & Co, Rotterdam
MENTHOL—10 cs, Paul A Dunkel, Hong Kong
10 cs, Kane Import Co, Hong Kong
10 cs, Charles L Huisking, Hong Kong
50 cs, Lo Curto & Funk, Otaru
20 cs, Paul A Dunkel, Otaru
ORE CONCENTRATES—270 dms, American Smelting & Refining Co, Manila
PAPRIKA—200 bgs, B C Ireland, Rotterdam
PEANUT CAKE—10,320 bgs, Pacific Vegetable Oil Co, Taku Bar
PEATMOSS—500 bls, Calstreet Co, Bremen
200 bls, Atkins Kroll, Bremen
6 bls, G Hardt Co, Bremen
PIMENTO—100 bgs, B C Ireland, Kingston
PYROTECHNICS—16 cs, F P Dow Co, Yokohama
RAPESEED—100 bgs, Catz American Seed Corp, Rotterdam
SADDLE SOAP—200 ctns, Beton Co, London
SAKE DREGS—40 kits, Nippon Co, Nagoya
SESAME SEED—6,223 bgs, Pacific Vegetable Oil Co, Hong Kong
500 bgs, Louis Furth, Hong Kong
250 bgs, Gillespie & Co, Hong Kong
912 tons, Pacific Vegetable Oil, Taku Bar
700 bgs, H M Newhall & Co, Corinto
SOYA BEAN CAKE—40,377 pcs, Walter Hart Inc, Hong Kong
STARCH, SOLUBLE—50 bgs, Stein Hall & Co, Rotterdam
TIN—4,480 slabs, Carnegie Illinois Steel Corp, Penang
TUNG OIL—190 tons, Arnhold & Co, Hong Kong
300 tons, Pacific Vegetable Oil, Hong Kong
UREA—1,000 bgs, Monsanto Chemical Co, Rotterdam
4,000 bgs, Chemical Manufacturing Co, Middleborough
WOOL GREASE—170 dms, Public National Bank, Manchester

Broh-Kahn Assistant Medical Head of Bristol

Dr. Robert Broh-Kahn, formerly assistant director of the May Institute for Medical Research, Cincinnati, has joined Bristol Laboratories, Inc., Syracuse, as assistant medical director.

A native of Cincinnati, Dr. Broh-Kahn studied at Johns Hopkins and the College of Medicine of the University of Cincinnati, receiving his B.M. and M.D. degrees in 1940. He is a graduate of the University of Kentucky, where he received his B.S. and M.A. degrees in 1932 and 1933.

Dr. Broh-Kahn has specialized in the applications of bacteriology and chemistry to medicine, and has published more than sixty papers dealing with metabolism, chemotherapy and enteric bacteriology.

He was an instructor in bacteriology at the College of Medicine in Cincinnati from 1940 to 1942, and was associate in charge of bacteriology at May Institute during the same period.

Upon his return from Army service, Dr. Broh-Kahn was named assistant director of the May Institute for Medical Research, and also acted as consultant to the clinical laboratories at the Jewish Hospital, Cincinnati. During the past two years he has also been assistant professor of experimental medicine at the College of Medicine of the University of Cincinnati.

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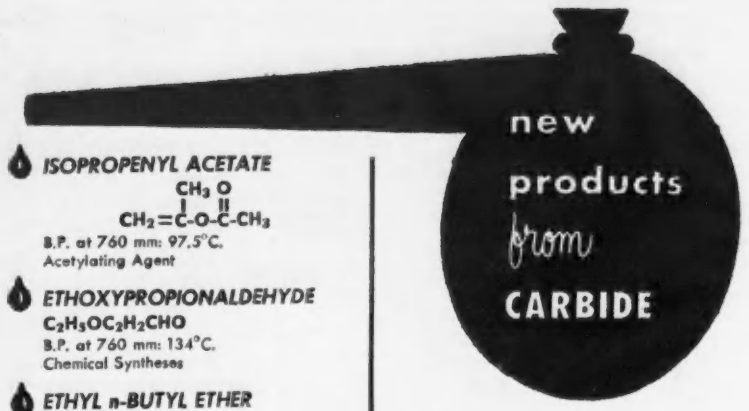

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Carbonyl iron powder, a form of metallic iron of extreme purity and microscopic particle size, has been approved for medical use by the committee on national formulary of the American Pharmaceutical Association. It will be put into limited distribution for manufacturing use by Antara Products, General Aniline & Film Corporation under the label "G A & F Carbonyl Iron Powder RX."

"G A & F Carbonyl Iron Powder" is made by the reaction of carbon monoxide gas on iron ores to form liquid iron pentacarbonyl. This liquid is then vaporized and the heated vapor decomposes into iron powder in the form of microscopic spheres. By this unique method all impurities in the iron are left behind and the product is chemically pure. The spheres are preformed, never ground or split and so are completely stable, with no change in form or color.

It has been produced in this country since 1941 at the plants of the General Aniline & Film Corporation at Grasselli, N. J., and at Huntsville, Ala. Its chief use heretofore has been in the manufacture of magnetic cores for the high-frequency oscillations which are essential in broadcast receivers, television sets, FM devices and carrier telephony.

Toxicology Tests on Animals

Extended tests at the Industrial Toxicology Laboratories, Philadelphia, in which animals were fed as much as 5 percent of this iron in their diet for periods of sixty days, showed no harmful results even in such large amounts. The test animals compared favorably with those that received no iron and the iron powder proved to be superior in many respects to the former standard iron reduced by hydrogen. Approval for inclusion in the forthcoming National Formulary IX followed.

Proprietary Ass'n Names New Committee Chairmen

The Proprietary Association last week revealed committee assignments for the ensuing year. The various committees, and their chairmen are as follows:—

Executive advisory, Lupton Patten, Chattanooga Medicine Company, Chattanooga, Tenn.; finance, James Hill, jr., Sterling Drug, Inc., New York; requirements, Walter R. Beardsley, Miles Laboratories, Inc., Elkhart, Ind.; ethanol, Warren Roberts, the S.S.S. Company, Atlanta, Ga.; membership, John H. Kelly, Emerson Drug Company, Baltimore.

Transportation, George O. Griffith, American Home Products Corporation, New York; national relations, Richard K. Hines, Vick Chemical Company, New York; public relations, Kenneth E. Bonham, Emerson Drug; advertising advisory, Ben Duffy, Batton, Barton, Durstine & Osborn, Inc.

Foreign trade section, William E. Koerting, Miles Laboratories; veterinary section, Stewart B. Mein, jr., and scientific section, Dr. I. W. Grote, Chattanooga Medicine.

Delegates to other associations are Dr. Grote, American Pharmaceutical Association; James F. Hoge, Rogers, Hoge & Hills, New York, National Drug Trade Conference, and Charles S. Beardsley, Miles Laboratories, American Foundation for Pharmaceutical Education.

Michigan Chemical Group Host at Annual Outing

Over 300 members and guests of the Chemical Industries Association of Michigan golfed, dined and danced at the annual outing of the organization, held at the Birmingham Country Club, near Detroit, on Tuesday, July 25.

Industry groups from Chicago, St. Louis, Cleveland and Cincinnati were represented. Golf winners were George Rieveschl, low net; Ted Fess, low gross; Jack Lilly, longest drive; W. Bayer, nearest to pin; Mrs. S. Cowell, ladies low net; Mrs. D. Jenks, ladies low gross. In the tri-city competition for the Fort Dearborn trophy, the Detroit team won by two points

On the preceding evening a reception was held at the Statler hotel in Detroit which was attended by 117 members and guests.

Among those responsible for arrangements were Ted Keegan, of Shell Chemical Company; Stanley Olds of Magnus, Mabee and Reynard, Inc.; Wayne Liff of Mallinckrodt Chemical Works; Don Leiser of I. P. Callison & Sons; Glen Hicks of Monsanto Chemical Company; Dick Yale of S. B. Penick & Co., and Fielding Yost of Dow Chemical Company. Arrangements for ladies were in charge of the wives of the committee members.

OIT Publishes Pamphlet To Aid Foreign Traders

A guide to basic reference sources on the practical aspects of foreign trade is offered to American businessmen interested in exporting or importing in a new publication issued by the Office of International Trade. The pamphlet, "Foreign Trade Practice (Reference Sources)," replacing "Foreign Trade (Basic Information Sources)," provides an up-to-date listing of both governmental and non-governmental publications relating to foreign trade practice.

Copies, prepared by Helen Houck under the direction of E. F. Becker, chief of the commercial intelligence branch, and E. E. Schnellbacher director of OIT's intelligence and services division, are available at 20 cents each from Department of Commerce field offices, or from the Department of Commerce, Washington 25, D. C.

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Amer. Pharmaceutical Elects Kachurin Secretary-Treas.

American Pharmaceutical Company, New York, has elected Leon Kachurin secretary and treasurer and appointed Russell J. Muckle as sales manager, it was announced last week. Mr. Kachurin, son of the company's founder, the late Philip Kachurin, last year served as secretary and for several years has been engaged in the management of production.

Mr. Muckle was associated with Frederick Stearns Division of Sterling Drug, Inc., and was vice-president and sales manager of the Chapin Company. He was also sales manager of Sharp & Dohme, Inc., and vice-president of Sharp & Dohme International.

Brownell Now Manager Of du Pont Patent Div.

Spencer Brownell, jr., has been appointed manager of the patent division of the legal department of E. I. du Pont de Nemours & Co., Wilmington, Del., succeeding Chester H. Biesterfeld, who will continue as advisory director on patents.

At the same time it was announced that William G. Weisbrod, manager of the tax division of the treasurer's department of du Pont, will succeed Mr. Brownell as assistant to Crawford H. Greenewalt, president of the company.

Mr. Brownell is rejoining the legal department after five years as assistant to the president of du Pont, first Walter S. Carpenter, jr., and then Mr. Greenewalt.

Mr. Weisbrod has been with du Pont since 1934. He was in the legal department, except for three years of military service, until 1948 when he joined the treasurer's department. A year ago he that department.

Aureomycin Held Effective In Treatment of Trachoma

Trachoma, the eye infection which at one time or other attacks a high percentage of the world's population, has now been brought within reach of complete control by use of aureomycin, according to reports just presented at the current International Congress of Ophthalmologists in London.

In a report to the congress, Dr. Maxwell Lyons of Cairo, Egypt, told of his original experiments in which he transferred scrapings of trachomatous eyes to the eyes of monkeys and baboons. According to his report, aureomycin killed the artificially introduced near-virus completely and none of the experimental animals contracted the disease. Following his experiments, Dr. Lyons treated his human trachoma patients with aureomycin, with uniformly high success. Both Dr. Lyons and Dr. V. Tabone of Malta, administered the drug in three ways:—By mouth, as an eyedrop solution, and as an ointment. Dr. Tabone reported best results were obtained by simultaneous administration by mouth and by local application of either the solution or the ointment, although many doctors have obtained cures using only the local applications.

Walgreen Acquires Whittier & Nutrition Research Labs

The Walgreen Company announces the acquired ownership of Whittier & Nutrition Research Laboratories, Chicago, in which it has had a substantial interest. Leo C. Hoffman, who will continue as president and general manager, stated that the executive and general offices of Whittier & Nutrition Research Laboratories will be moved on September 1 to the Palmolive building, 919 North Michigan avenue, Chicago 11. Research, manufacturing facilities, and warehousing operations will be located at 4748 South St. Louis avenue, Chicago 32.

Ives-Cameron Appoints Oloffson Ad Manager

Olaf Oloffson has joined the staff of Ives-Cameron Company, subsidiary of American Home Products Corporation, in the capacity of advertising manager. Formerly he was sales manager of Baybank Pharmaceuticals, Inc., New York, a member of the staff of Noyes & Sproul, Inc., New York medical advertising agency, and professional service director and export manager of Wyeth, Inc., Philadelphia.

Sharp & Dohme Building New Orleans Headquarters

Construction has started on a new building to house the New Orleans branch of Sharp & Dohme, Inc., Philadelphia. Address of the new branch will be 909 Jefferson Davis Parkway. The new headquarters, which will replace the present office and warehouse facilities at 516 Commerce street, are expected to be ready for occupancy around October 1.

Pyrethrum Acreage in Kenya Reduced Sharply in 1949

Pyrethrum acreage in 1949 was drastically cut in Kenya, British East Africa, as producers were influenced by the development in the United States of a synthetic pyrethrum, and production for the year was reduced to approximately 2,500 tons, according to the Bureau of Foreign and Domestic Commerce.

The bureau added, however, that conclusions of new contracts with United States importers at fixed dollar prices proved beneficial to producers in terms of the devaluated British East Africa shilling and the pyrethrum board recommended a 50 percent increase in acreage for 1950. Pyrethrum production in Tanganyika remained nominal, amounting to 248 tons in 1949.

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Obituaries

Floyd F. Bondy

Floyd Frank Bondy, cotton entomologist of the Department of Agriculture, died in Florence, S. C., July 19. He was fifty-six years old. From 1917 to 1928 Mr. Bondy had been stationed at the department's cotton insect field laboratory at Tallulah, La., and had since been in charge of the cotton insect research program with the Pee Dee Expirment Station at Florence. He was a member of the American Association of Economic Entomologists.

James W. Flanagan

James W. Flanagan, retired mining engineer and petroleum executive, died in Houston, Tex., July 24. He was seventy-seven years old. Mr. Flanagan spent many years of his early life engaged in mining ventures in Cuba, Mexico and the United States.

He was in business from 1913 to 1919 with Sir Herbert Holt, president of the Royal Bank of Canada, and in 1919 organized with him the National Andian Corporation which laid a 600-mile pipeline in Colombia.

Mr. Flanagan was general manager of this corporation and later became director of International Petroleum Corporation and Macassa Mines, Ltd., Toronto. He was an honorary vice-president of the Standard Oil Company (New Jersey).

William G. Helis

William G. Helis, oilman who made and lost several fortunes, died in Johns Hopkins Hospital July 25. He was sixty-three years old.

A native of Greece, Mr. Helis came to the United States when he was seventeen years old. He was a pioneer in the oil fields of California and Oklahoma and after a run of bad luck went to New Orleans in 1930 to begin again.

The South Louisiana oil industry was just getting underway and Mr. Helis developed the first big oil field in that state. He became immensely wealthy and in later years was best known in the sports world as a breeder of race horses.

George A. Stevenson

George A. Stevenson, sales manager of the National Carbon Division of Union Carbide & Carbon Corporation, New York, died in Glens Falls, N. Y., July 21. He was sixty-three years old. Mr. Stevenson had been with Carbide for thirty-one years.

Ralph S. Swinton

Ralph S. Swinton, former vice-president and supervisor of the Linden, N. J., plant of W. J. Bush & Co., died in Linden July 21. He was seventy-seven years old. Mr. Swinton, a native of Scotland, joined the Bush firm in London in 1901 and was sent to Linden to supervise its essential oils manufacturing plant there. He retired from the firm in 1942.

William Haberer, former traffic manager for the Price Chemical Company, Louisville, Ky., died in that city July 21. He was seventy-two years old.

Frank Meguiar, jr., founder and president of the Mirror Bright Polish Company, Los Angeles, died recently in his home in Pasadena, Calif. He was seventy-one years old.

Edwin P. Pressy, a retired auditor for the Union Carbide & Carbon Corporation, New York, died at his home in Mount Vernon, N. Y., July 21. He was seventy-six years old. Mr. Pressy retired ten years ago after twenty years association with Carbide.

Louis T. Shorley, president and treasurer of Freyn Engineering Company, Chicago, a wholly-owned subsidiary of Koppers Company, died July 20 after leaving his office. He was sixty years old.

Trade Briefs

Brunswig Drug Company has appointed Irwin B. Beadle manager of its Los Angeles office and Homer B. Line personnel director.

Willis W. Hardy, chief geophysicist since 1939 of the Socony-Vacuum Oil Company, New York, has been appointed assistant chief of the company's exploration division.

Leonard Chan, supervisor for China and Hong Kong operations of Schering Corporation, Bloomfield, N. J., recently visited the home offices for consultation with Jay R. Hunt, Schering's international division manager, on marketing problems in the Far East.

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Monsanto Develops Reference Guide for Structural Materials

The plastics division of Monsanto Chemical Company, St. Louis, has developed for the product designer a new, time-saving short cut through the problems of selecting the right material. The new tool is a "Comparator," a two-dial ready reference guide to facts and figures on plastics and eleven other structural and fabricating materials.

A twist of the twin dials gives comparative cost figures on styrene and aluminum, phenolic and zinc, or any contrast of plastics and other materials. The reverse side of the dials quickly affords condensed information on the mechanical, thermal, electrical, optical and chemical properties of twelve leading plastics.

Coat-pocket sized, the "Comparator" tells specific gravity, cost per pound, cubic inch per pound, and cost per cubic inch of plastics molding powder and alternate materials. For a comparison of films, it reveals specific gravity, cost per pound, square inches per pound and cents per 1,000 square inches.

Compared with plastics are steel, cast iron, aluminum, zinc, lead, copper, brass, bronze, nickel, tin and wood. The plastics list includes styrene, phenolic, melamine, nylon, acrylic, urea, vinyl chloride powder and film, cellulose acetate sheets, cellophane, pliofilm, polyethylene, saran and cellulose acetate butyrate.

Synthane Appoints Schleicher To Milwaukee Sales Staff

Synthane Corporation, Oaks, Pa., manufacturer and fabricator of laminated plastics for industry, has appointed Frank Schleicher as assistant to Howard Tyner, manager of the company's Milwaukee sales office, effective August 4. In his new assignment he will serve customers in Wisconsin, Minnesota and northern Michigan.

Mr. Schleicher, who lives in Milwaukee, has spent the past several months at the plant, becoming familiar with the manufacture and fabrication of Synthane plastic and industrial components made from it. He has had industrial experience in the plants of the Square D Company, Detroit, and A. O. Smith Corporation, Milwaukee.

Metal Powder Industry Gets 2 New Standards

The Metal Powder Association announces the release of two new standards for the metal powder industry. One is a glossary of terms used in powder metallurgy and is designated as M. P. A. standard 9-50T — "Tentative Definitions of Terms Used in Powder Metallurgy." The glossary is composed primarily of terms not generally used in the same sense in fields other than powder metallurgy. A total of 112 terms are defined.

The second standard is designated as M. P. A. standard 10-50T—"Tentative Standard Tension Test Specimens for Pressed and Sintered Metal Powders." This standard specifies a flat tension specimen and a round machined tension to be used in determinations of the tensile characteristics of pressed and sintered metal powders used in powder metallurgy.

Detailed drawings of each specimen are given along with a list of apparatus required to make the specimens and recommended methods of die lubrication, compacting, sintering and testing. Both new standards are obtainable from the Metal Powder Association, 420 Lexington avenue, New York 17, at 25 cents per copy each.

Schering Names Supervisors

Arthur M. Schmidt, formerly mid-Atlantic district supervisor of Schering Corporation's eastern division, has been appointed eastern division supervisor, according to an announcement by Dr. John N. McDonnell. J. Roger Cox has been named mid-Atlantic district supervisor, succeeding Mr. Schmidt.

Trade Briefs

Bon Ami Company has named Stanley Lewis assistant general sales manager.

Richard Lockman, formerly with the Mennen Company, has been appointed advertising manager for Bourjois, Inc., New York.

H. O. Breuer, representative for the Syntomatic Corporation for Central America and the Caribbean area, has just made a flying visit to the United States for a series of conferences on products and market developments pertaining to Syntomatic activities.

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Botanical Drugs, Spices, Gums

A wave of buying swept the botanical market last week. Apparently, a "police action" in Korea, plus the danger of similar action being forced on the United States in numerous other States exposed to Russian satellite countries, and the fear of full-fledged war in Continental Europe were needed to stir the local botanical market from depressing lethargy to enheartening activity. Trading in medicinal drugs expanded suddenly and selling was described as heavy in most quarters. Condimental items were no less strong than they had been in the past fortnight and while the market for such merchandise seemed to be taking a breather, the fewer price developments were almost exclusively advances. So far as dealers in medicinal botanicals were concerned, it was clear that, despite the much heavier and broader demand reaching them, the suppliers' policy was to hold the line in the matter of prices. The index remained at 185.0.

News from the domestic primary market was adverse. It appeared that wet weather has prevailed over a broad section of the collection area. A similar situation existed last year with this exception:—Rains did taper off in May and were not a problem after June, 1949. This year, they have not tapered off to date and have become a serious problem that only nature can solve. If normal weather does come, there is still a chance of getting in a good sized crop. If not, shortages to an extent greater than in 1949 seem inevitable to dealers. Even now, it seems likely that wild cherry, white pine, and sassafras barks, plus angelica root, witch hazel, and lobelia will be short of probable requirements unless collection conditions are soon reversed.

Barks

Barberry—The market was steady, with root bark standing 45c. to 50c. per pound under moderate request. On exceptionally large quantity requirements, the inside would be shaded.

Cascara Sagrada—The market was generally on the firm side, and, if anything, the tendency of prices was to seek somewhat higher levels in keeping with costs and probable needs.

Sassafras—Collection should be much farther along than it is, and current opinion last week was that a sharp gain in quantities gathered must come if minimum consumer-needs are to be met.

White Pine—Most recent reports indicate that the collection has not been up to that expected earlier in the season, and, while the situation has not become critical, it was said to be one well worth watching closely.

Wild Cherry—No oversupply of bark is indicated at this time. Warehouse stocks have not gained to the extent required, and some expect the market to tighten considerably.

Beans

Vanilla—Prices at all points tended to become steadier since the recent rather substantial declines that took place, especially in the not overly active French markets. While spot demand was not expansive to any major degree, some signs of an improvement in interest were noted, and, once the larger extract consumers come to the market, local dealers expect to see an almost immediate improvement in the price situation. Current stocks in the hands of dealers were not considered to be a burden or danger.

Imports Detained by FDA

Week Ended July 21

New York

Anise seed, 120 bags: filthy.
Arnica flowers, 13 bales: insect infested.
Capsicums, 143 bags: filthy.
Cassia, 1,886 bales: insect filth.
oil, 28 drums, not USP.
Chillies, 549 bags: filthy.
Curry powder, 85 cases: filthy.
Galangal root, 77 bags: live and dead insects.
Henbane leaves, 6 bales: not official variety.
Karaya gum, 649 bags: filthy.
Kola nuts, 74 bags: live insects.
Mace, 66 cases: live and dead insects.
Nutmegs, 13 bags: moldy and wormy.
Olive oil, 5 cases: no name of manufacturer, packer, or distributor.
Paprika, 500 bags: filthy.
Pepper, black, 140 bags: siftings and pickings.
Sage, 524 bales: not official variety; filthy, stems substituted.

Market Trends

Prices Advanced

Drugs

Ginger, Cochin, unbleached, 2c. per lb.
Peru balsam, 3c. per lb.

Other Articles

Allspice, Mexican, ½c. per lb.
Arrowroot, 2c. per lb.
Cardamom, green, Mangalore, 15c. per lb.
Cassia, Saigon, all thin, 1c. per lb.
Celery seed, French, 2c. per lb.
Indian, ½c. per lb.
Cinnamon, Ceylon, No. 2, 13c. per lb.
Coriander seed, Moroccan, 3½c. per lb.
Argentine, 2c. per lb.
Dillseed, dewhiskered, 1c. per lb.
Mace, Siauw, No. 1, 15c. per lb.
West Indian, whole, 7c. per lb.
broken, 23c. per lb.
Mustard seed, Dutch yellow, ½c. per lb.
English, yellow, ½c. per lb.
Nutmegs, E. I., broken, limed, 1c. per lb.
whole, shrivels, 1c. per lb.
110's, 3c. per lb.
Pepper, black, spot, 70c. per lb.
Poppy seed, Dutch, 1c. per lb.
Sage, Dalmatian, 20c. per lb.
Sesame seed, Nicaragua, natural, afloat, 3¾c. per lb.
Turmeric, Alleppey, 3c. per lb.

Prices Reduced

Drugs

None

Other Articles

Cassia, China, Honan or Yunnan, scraped, ¼c. per lb.
broken, ¼c. per lb.
Sage, Syrian, 1½c. per lb.
Thyme, French, spot, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 29, 1949
185.0	185.0	184.9	193.6	181.8

(For Current Prices see Page 9)

Flowers

Arnica—A brisk demand appeared in the market when some consumers, having in mind what happened to them, with respect to supplies, when they delayed buying when World War No. II started, began buying to cover future needs to some extent. Prices became firmer in all quarters and had a tendency to rise.

Chamomile—With an eye on the European situation because of the implications of the Korean war, both of the varieties were firmer. More selling of spot goods added strength to the market. While unchanged in price last week, the present attitude of users, if continued, would probably find reflection in a rise in spot quotations. Dealers, however, were trying to hold the market at current levels.

Herbs and Leaves

Belladonna—No one would sell this article short last week. The international situation tended to make dealers reserved and disposed to study a possible revaluation of current supplies.

Catnip.— Poor drying weather has curbed collection and thus tended to make a firmer to stronger market at all points. Prices would be no lower this year, said the suppliers.

Lobelia—Disappointing collections have been the rule to date. Gathering has been curbed by the inability of workers properly to dry their new crop accumulations. Marked improvement in weather and working conditions must come if anything like a normal stock is to be obtained in 1950.

Sage—Dalmatian material made a new high for this year, reaching $1.35 to $1.36 per pound when demand became impaled on one of the smallest spot stocks of known record. Greek goods were purely nominal. Syrian eased back to 17½c. to 18c.

Witch Hazel—Even as last year, collections are off in volume because of wet weather discouraging collection of leaves that cannot be dried properly. The market gains strength.

Roots

Angelica—Dealers in the domestic article reported a relatively poor collection to date in the primary market. The tendency of prices everywhere was to seek higher levels.

Mandrake—As things are developing in the collection areas, it appears to spot operators that prices are due to advance substantially. In fact, only the failure of manufacturing consumers to break definitely with conservatism in buying has prevented a generally upward welling of prices. Goods that could have been bought at 28c. per pound f.o.b. shipment point at the origin are now held for about 38c.

Rhubarb—China as a source for replacement operations is virtually non-existent now. Dependence for supplies dwells in India from whence a fair amount

For Late Market Developments, See Page 4

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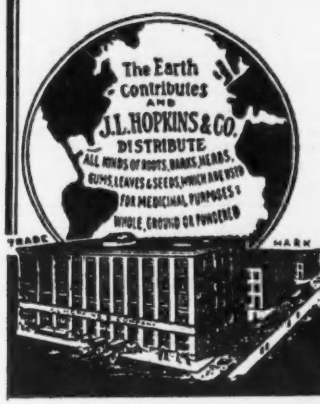
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of satisfactory roots has been and can be obtained—but not at cheap prices.

Tumeric — Alleppey root was raised sharply to a minimum of 35c. to 36c. per pound—which is a record price for this year to date.

Seeds

Anise — Quotations were unchanged last week but it was far from certain that the prices would not be upped on the next transaction. In fact, some already refuse to take less than 25c. for star anise.

Cardamom—The market still was strong and prices strained toward higher levels. In fact, decorticated seed from Mangalore was sharply raised to $3.35 to $3.40. Green seed was increasingly difficult to obtain at any spot price.

Celery—French seed on spot was held for 40c. to 41c. per pound and seed afloat was priced at 38c. to 38½c. by local importers. Indian seed was up to 27c. to 27½c. locally.

Coriander — Argentine seed advanced sharply to 14c. to 15c. per pound and the seed of Morocco jumped up to 20c. to 20½c.

Mustard—Dutch yellow seed was raised to 13c. to 13½c. per pound and English yellow was held at the same level.

Poppy—Dutch seed was raised to 21c. to 22c. per pound and Czech seed became 17c. on a strictly nominal basis. Polish was already nominal at 19c. when the week began.

Spices

Allspice—Mexican produce was market up again, this time to 20c. to 20½c. per pound and sellers continued to think in terms of still higher quotations.

Cassia—The only advance was that in thin Saigon cassia, which on a purely nominal basis became 48c. per pound. Honan and Yunnan in rolls and broken forms eased back a fraction— as though taking a breather before another upward hike. Scraped rolls were 17¾c. to 18c. per pound; broken, 17¼c. to 17½c.; unscraped rolls, 17c. to 17½c.; broken, 16½c. to 17c.

Cinnamon—No. 2 Ceylon spice was thrust abruptly upward to 38c. to 39c. per pound. Only last May the item went begging at 18c.

Clove—The week passed without new price development. However, the markets everywhere were strong since demand has been excellent any other countries have paid prices higher than the United States would entertain except in a few instances.

Ginger—Price activity abated last week as sellers consolidated their high level of quotations and scanned the markets for possible future developments. Current quotations were at levels high for the year to date. Unbleached cochin was higher at 52c. to 53c. per pound.

Mace—Replacement cost plus spot demand forced lower quotations still higher. Siauw No. 1 became $1.15 to $1.20 per pound; West Indian, whole, $1.05 to $1.10; broken, $1.03 to $1.05. Amboyna and Banda mace were lacking in price and supply.

Nutmegs—Prices inched a bit higher. East India limed and broken spice was 51c. to 52c. per pound; whole shrivels, 52c. to 53c.; 110's, 53c. to 54c. for spot and 50c. to 50½c. for shipment. West Indian material tended higher but failed of success "for the time being" according to agents and dealers.

Pepper—By last midweek, sales of spot black pepper in whole form had been made at $2.60 per pound and rather sober-minded operators saw $2.75 as not an impossibility in view of the political and supply situation in the Far East. Little spot pepper was available. Demand has engaged most of August arrivals. September and October arrivals depend on the amount of Lampong to be made available in Indonesia during late July and all of August. Offerings from India have not "poured out" even at current record high prices.

Prices on black pepper last Friday afternoon were:—Spot, $2.60 to $2.65 per pound. Shipment, $1.90 to $1.97. White, futures, $2.90, nominal.

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Essential Oils, Other Aromatics

Price movements in the essential oils market had less of advances and more of declines than had been the case in recent weeks. Nine changes were advances and fourteen were declines. The weight and influence of price movements was on the upside, a fact that caused the market index to rise 2.0 to 138.5.

The reductions came in oils of lesser importance and were limited in degree. The declines were related to locally competitive conditions and scarcely ever were a reflection of lower replacement costs.

The fact was that the market for oils was basically strong. Replacement costs on abies siberica, bergamot, cardamom, celery, citronella, cumin, distilled ginger, lavandin, and Messina lemon oils were higher in the several primary markets. Even orange oils were at least potentially stronger in view of the dimmer prospects for future supplies. Far Eastern oils were strong and rising items, especially anise, cassia, patchouli, and cajeput oils. The effect of events in such origins has yet to be definitively analyzed. For that reason, suppliers seem to have adopted a policy of watchful preparedness. Italian oils of superior quality made new highs for this year in the primary market.

The spice oils and their cousins were objects of special strength. Cassia, clove, ginger, pepper, cardamom, celery, cumin, mace, and nutmeg oils reflected an advancing raw material cost either by being advanced on spot or by becoming the objects of great reserve on the part of dealers' offerings. Cassia was hardly obtainable.

Except for Spanish oils, the market scarcely showed even a shadow of true weakness. Spanish oils, however, were apparently weak since replacement costs have decreased even as shippers have increased their offerings as the result of a more liberal export policy by a government seeking to increase dollar credits.

Market Trends

Prices Advanced

Abies siberica oil, 20c. per lb.
Bergamot oil, 5c. per lb.
Cardamom oil, $6 per lb.
Cassia oil, 40c. per lb.
Celery seed oil, $1 per lb.
Citronella oil, Ceylon, 5c. per lb.
Costus oil, $2 per lb.
Cumin seed oil, 35c. per lb.
Ginger oil, distilled, $1 per lb.
Lavandin oil, 5c. per lb.
Lemon oil, Messina, 25c. per lb.
Vetiver oil, Bourbon, 25c. per lb.

Prices Reduced

Caraway oil, 5c. per lb.
Cedarleaf oil, 5c. per lb.
Citral, 20c. per lb.
Fennel oil, 5c. per lb.
Lavender oil, 40-42%, 10c. per lb.
Mace oil, 5c. per lb.
Orange oil, Californian, 5c. per lb.
Origanum oil, Spanish, 20c. per lb.
Rosemary oil, USP, 2c. per lb.
Rue oil, 25c. per lb.
Sassafras oil, artificial, 1c. per lb.
Tansy oil, 35c. per lb.
Thyme oil, NF, red, 15c. per lb.
white, 10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 29, 1949
138.5	136.5	132.7	102.8	105.8

(For Current Prices see Page 9)

Essential Oils

Abies Siberica—From a position of real weakness the market has moved into one of substantial strength. Prices at the end of last week were higher at $2.85 to $3.25 per pound. The shift in market position resulted from a stoppage of replacement offerings.

Almond—Following the price decline of the previous period, the market on NF quality oil became steadier and it was felt that competition would not continue to depress local values unless a sharp turn toward weakness in price shall develop abroad.

Anise—The market continued to reveal substantial price strength notwithstanding the fact that the present is the off season in consumption. With the season of largest and sustained requirements being not far away, most dealers expect prices to be pushed still higher unless replacement shall become easier to secure and lower in the matter of shipment quotations.

Bergamot—Quotations at both ends of the range were higher at $4.45 to $5 per pound, a development in line with the recent tendency of spot prices. Stocks were reported to be fair in size. The present strength of the spot market appeared to be related to the moderate but steady and sustained advances in replacement prices at the origin where stocks were also coping readily with needs.

Bois de Rose—Stocks here and at the origin appear to be in firm hands. Most of the local supply recently available at prices lower than now prevail have been taken off the market with the result that present higher quotations were very firm last week.

Caraway—Although prices on raw material have advanced suddenly at the origin and on spot, oil quotations were slightly lower at $3.10 to $4 per pound last week, the result of competition.

Cassia—A crisis in spot supply has developed. No oil was on the open market and dealers with a small stock in hand said it was under contract engagement. Many reported exhaustion of stocks. Nothing was offered from the origin. The markets everywhere were tight and strong. That on spot was nominal at $3.15 per pound.

Cedarleaf—Competition was more active than it had been and under its influence spot quotes were reduced to $1.85 to $2.20 per pound. Most dealers, however, maintained prices.

Celery—Seed has shot higher in successive rises at the origin. The upward trend in French seed started with the report that the crop of Indian seed would not exceed 50 tons. Spot prices on oil reflected the foreign market positions and by the end of last week they were higher at $15 75 to $17.50 per pound.

Citronella—Ceylon oil was up slightly to $1.15 to $1.50 per pound, a development closely hitched to the strengthening replacement position. Java type oil was firm at $1.60 to $2.10. Reports concerning Indonesian exports during April reveal the outmovement of 16 metric tons valued at 381,000 guilders, as compared with 12 metric tons, valued at 211,000 guilders in the preceding month. World production of citronella runs to high figures and is built from the manufactures of a number of foreign countries. Production of synthetic menthol accounts for much of the consumption of the oil.

Clove—The market very strong. Yet, the recent price rise had been apparently overdone at least. Close to a ton of oil was available last week at $1.70 per pound. Other dealers priced the article around $1.80 and the top of the range was $1.95. The strength of the market stemmed from that in raw spice.

Coriander—Inability to get replacements from Russia was reflected locally in the upper end of the price range. The minimum quotation was still $19 per pound but in one quarter $26.50 was quoted lowest regardless of competition.

Costus—The extremely favorable prices recently cabled from abroad have turned upward. Oil distilled here was not subjected so much to foreign competition. Prices rose to $21 per ounce.

Cumin—The low seller of recent weeks upped quotations and local quotations generally stood at $4.50 per pound. This seemed to be a response to the rather sharp rise in replacement cost.

Dillweed—Seasonal demand has caused carryover stocks to dwindle rapidly. New crop oil will be distilled beginning late in August and the 1950 production should be on the market during September or early October. Local quotations continued unsettled because of the influence of more favorable prices on future delivery contract prices.

Eucalyptus—Replacement costs have risen considerably, for reasons that have yet to appear here. The rise in prices abroad has been general, regardless of origin. Dealers suggest needs be covered.

Fennel—Competition brought the spot market down slightly to the basis of $2.45 to $3.25 per pound, depending on supplier.

Ginger—Raw material has been rarely stronger and the cost to produce the oil has risen accordingly. Local quotations on the latter were modestly higher at $22 to $23.50 per pound but offerings at either end of the range were limited in size.

Lavandin—Though still very firm abroad, spot conditions seemed rather more competitive than those at the origin might warrant. In any event, the market was shaded to $1.35 to $1.85 per pound.

Lemon—Messina oil on spot was advanced again reaching a minimum of $3.35 per pound. The top brand of oil was advanced briskly and ended the week at $6.50. Domestic oil continued to rise in some quarters and reached $3.35 to $3.75, so quoted according to brand. The high volume consumption of lemons as fruit in

For Late Market Developments, See Page 4

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all countries producing them has curbed oil production.

Orange—It became possible to quote California more closely; the market was 55c. to $1 per pound as to brand.

Numerous consumers were advised to cover their requirements at current prices in view of what to some dealers seems to be a basically bullish future.

A change in production conditions led to the prediction that short supply would develop within the next ten months. Little oil comes from the West Indies. Brazil offers none. French Guinea has no oil to ship. And production in Florida is being sharply restricted. Italy remains undescribed beyond the fact of being an unimportant source in recent years.

The lack of oil in Brazil was laid to the exports of fruit to Europe and the low price of French Guinea oil. West Indian oil made at higher wages curbed production by hand methods. The lack of offerings from French Guinea was laid to crop failure.

In Florida, the byproduct orange peel obtained from the frozen orange juice industry will curtail the peel for making oil. A new type of machine is being widely installed by the frozen juice industry. It crushes the oranges in a manner making the peel no longer an economical source of oil. The squeezed oranges now go into cattlefeed—and Florida cattle raising is an expanding resource. Furthermore, one of the largest expresser and concentrator plants using the old type equipment has been destroyed by firm, thus curtailing oil output substantially.

For the above reasons, some dealers strongly recommend buying orange oil now.

Origanum—Genuine Spanish oil was lowered to $2.30 to $2.75 per pound, thus following the trail of most oils from Spain.

Peppermint Oil—The following comment on this year's mint crop was contained in the July 21 issue of the Truck Crop News issued by the Bureau of Agricultural Economics:—Michigan growers report bed mint in better condition than row mint. Reports indicate a nitrogen deficiency and some wilt in the southcentral area. Growth of peppermint stands continues excellent in the Willamette Valley of Oregon. A spreading "rust" infestation in the generally weak stands of the diked areas in the lower Columbia River bottoms threatens a further reduction of the oil crop of that area. Mint in the lower Yakima Valley of Washington is now coming into the first blossom stage. Some insect damage is reported. Rust continues to spread in the southwestern mint area, and a large part of the crop is seriously threatened.

Rosemary—USP oil from Spain was slightly lower at 90c. to $1.25 per pound, depending on seller and quantity in request.

Rue—The dip in prices under competition continued. The market ended last week lower at $2.50 to $3 per pound.

Sassafras — Artificial oil was quoted more closely at 52c. to 78c. per pound, prevailing as to seller. Very small production of USP natural oil was reported. Much oil produced recently by individual collector-distillers has not met USP specifications.

Tansy—Continued production, on however limited scale, moved prices further in buyers' favor. The lower quotations ranged $7.75 to $9 per pound, according to supplier.

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oil was lower at $1.50 to $2.10 per pound; white oil, $1.75 to $2.35. Both movements related to the reduction in Spanish prices, a development resulting from the desire of Spain to increase dollar credits, to which end export licenses were recently facilitated.

Vetiver—Bourbon oil was advanced once again, reaching $13.25 to $15.25 per pound and prevailing in strong position thereat according to various suppliers' minimum opinion of spot values. The whole situation was tied in with high replacement cost of the limited quantities offered for shipment, and with the scarcity of good quality oil in this market.

Aromatic Chemicals

Anethol—Because of steady advance and strengthening of the raw materials market, higher quotations on the synthetic would not surprise when seasonal demand arises.

Anisic Aldehyde—Production costs are apt to be higher and when broader consuming demand for the aldehyde shall develop, some expect quotations to become higher.

Citral—Some producers were in a more favorable raw material position. Prices were found to be slightly lower in those quarters, the market ranging $4.80 to $5.55 per pound.

Carvol—Higher prices were a reasonable expectation in view of the substantial strength displayed in raw material during the past two weeks during which the prices were raised steadily at all points. Sellers of carvol were much more reserved.

Eucalyptol—The basic position of raw material was much stronger than a short time back and revival of demand along seasonal lines is apt to find the derivative undergoing an advance, in the opinion of most suppliers.

Eugenol—The cost of production has risen much during the past month or two, mainly because clove spice at the origins has been priced far higher than spot quotations which, however, followed the primary market advances. Demand for eugenol was reported developing a somewhat broader character.

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Protective Coatings Materials

Both domestic and imported casein were higher in price during the past week as the market continued its climb. Bone and hide glue were also on the up side. Shellac continued to move to higher levels and triphenyl phosphate was also up. Lead and zinc metals held unchanged and therefore there were no revisions in the listings of the oxides.

Synthetic resins, with the exception of acrylic, melamine and urea-formaldehyde, were expected to come into tighter supply as a result of increased military demand. The market for natural gums was in an unsettled condition because of conditions in the Far East and a number of materials were displaying a firmer tone. The Korean hostilities were reflecting on the shellac market because buyers were uncertain just what to expect as to future prices and supply, although at present there was enough material available to satisfy the normal demands of users. The supply of casein showed no improvement. The bulk of demand was falling on American and Argentine material now that European sources had none left to offer. Demand continued on the upswing.

Both bone and hide glue were in strong demand. Bone was in a tight supply position and new customers could not always be satisfied immediately. Hide glue stocks were sufficient so long as there was no heavy scare buying. Stearates were still holding at former levels despite recent advances in stearic acid, although advances were not unlikely. Soybean protein, which was up last week, was due to go up again this week.

Market Trends

Prices Advanced

Casein, domestic, standard, 1½c. per lb.
imported, 2½c. per lb.
Glue, bone, 1c. per lb.
hide, 2c. per lb.
Rosin, gum, New York, B, D, 25c. per 100 lbs.
E, 65c. per 100 lbs.
F, G, H, I, K, M, N, WG, 5c. per 100 lbs.
WW, X, 15c. per 100 lbs.
Savannah, G, H, I, K, M, N, 8c. per 100 lbs.
WG, 25c. per 100 lbs.
WW, X, 21c. per 100 lbs.
Shellac, bleached, bonedry, refined, lemon No. 1, No. 2, superfine, TN, 2c. per lb.
Triphenyl phosphate, 1c. per lb.
Turpentine, gum, New York, 10c. per gal. Savannah, 2c. per gal.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 29, 1949
176.4	176.4	173.7	196.4	206.5

(*For Current Prices see Page 9*)

Prime Pigments

Lead Pigments—With the metal in an unchanged position as to price during the period under review, the listings of the pigments held at their former levels.

Zinc Oxide—Output in May totaled 19,688 tons, an increase of seven percent above April production, according to the Bureau of Mines. Stocks on May 31, the highest since September, 1949, were 15,743 tons, compared with 15,664 tons on April 30. Production of lead-free zinc oxide rose seven percent to 14,352 tons. Output of the leaded totaled 5,336 tons. This was an eight percent gain over April and the highest production since March of 1948 when the total was 7,005 tons. A fourteen percent increase in oxide shipments in May brought the total to 19,589 tons, the highest monthly level since August, 1948. Sales of lead-free oxide were 14,442 tons and of leaded zinc oxide 5,147 tons compared with 13,836 tons of lead-free oxide and 6,374 tons of leaded zinc oxide sold in August, 1948.

Zinc metal was in an unchanged position as to price during the past week and therefore there were no changes noted in the listings of the oxides.

Synthetic Resins

Increased military demand is expected to tighten the supply of all resins except acrylic, melamine and urea-formaldehyde. Phenolics and alkyds will probably become tighter although it was said that the trade was not particularly excited about this now since there was still no difficulty with availability. Polyethylene resins, which had been in heavy call anyway, were coming in for greater demand for military use and this was putting a strain on producing facilities and was expected to make the material even tighter as the demands of the military increased.

Polystyrene—Italy imports polystyrene principally from the United States, Canada and the United Kingdom and the imports are said to be increasing, according to the Department of Commerce. They are estimated at 2,500 metric tons in 1949 and are expected to total 4,000 tons in 1950. Consumption is rising and import possibilities are considered good. The colored variety is the only type of polystyrene produced domestically. Output in 1949 totaled 300 tons.

Natural Resins

The market for natural gums was in a pretty much unsettled position during the past week, as it had been for some previous weeks, due to the hostilities in the Far East. Shipping schedules were disarranged and it was difficult for buyers here to tell when their orders would arrive. The market was on the strong side, with a number of products advancing in price recently. New listings included:—Manila, loba, C, 27c. to 28c. per pound; GBB, 24c. to 25c. per pound; DBB, 23c. to 24c. per pound; DK, 14c. to 15c. per pound; Manila, soft, 17c. to 18c. per pound; Philippine, pale, chips, 22c. to 23c. per pound; nubs, 26c. to 27c. per pound; seeds, 16c. to 17c. per pound; sorts, 18c. to 19c. per pound; Pontianak, chips, 15c. to 16c. per pound; nubs, 27c. to 28c. per pound; East India, batu, bold, 10c. to 11c. per pound; nubs and chips, 7c. to 8c. per pound; black, bold, 12c. to 13c. per pound; pale, chips, 12c. to 13c.; Yacca, 6c. to 7c.

Exports of natural gums to the United States from Belem, Brazil, in the first quarter of 1950 totaled $49,206, compared with $73,474 in the corresponding period of 1949. Exports of these products to the United States from Manaus were $142,391 and $101,223, respectively.

Shellac—Advances of 2c. per pound were noted in bleached bonedry and refined as well as the lemons, superfine and TN during the week. Demand was reported to be at good levels. The forward buying was thought to be scare buying, but aside from that it was said that the spot business was good, and especially so for July. Those who were indulging in scare buying were not sure what the price trend might be in the immediate future or how much supply would be available. Then stocks in the hands of consumers had been allowed to drop pretty low during the period when prices were falling and there were many inventories that needed building up. The Indian market had been in a strong position since the outbreak of hostilities in Korea. During the week it calmed down a bit but the whole situation was too unpredictable to tell just how it would continue to react. The supply in India was reported to be in a satisfactory position and in this country sellers still had not run into any real difficulty as far as meeting the demands of the market were concerned. The listings as of last week were:—bleached, bonedry, bags, 49½c.; barrels, 50c.; kegs, 52c.; refined, bags, 59½c.; barrels, 60c., and kegs, 62c. Lemon No. 1 was going for 47c. to 48c., and the No. 2 was bringing 45c. to 46c. Superfine was worth 43c. to 44c., and TN 41c. to 42c.

Lacquer Materials

Triphenyl Phosphate—An advance of 1c. per pound was announced for this material during the past week. This made the new listings 33c. in carloads and 34c. in less than carloads.

Miscellaneous Materials

Casein—Domestic standard went up 1½c. during the week to become 27c. to 28c. The premium was still at 25½c. on the low side of the range, although the high side advanced to 32c. Others, however, were quoting prices no lower than 30c. on this grade. The imported from Argentina was up 3½c. to a range of 29½c. to 30c.

The Argentine market was in an unsettled condition. Supplies there were not strong. This was the off season for production and the dairy strike and the drought of a few months back left sellers with little stocks on hand. Demand had increased considerably in recent weeks and the bulk of the demand for imported goods was being thrown on Argentina. The offers of substantial amounts from European countries, and at attractive prices, had dried up suddenly and those countries seemed to be just about out of the market. There had also been reports that the Argentine sellers were none too eager to part with the material they had

For Late Market Developments, See Page 4

on hand because of the rising market. The demand for domestic material was also very strong and although there were sufficient stocks to accommodate the needs of the market at this time, it was not certain how they would stand up in the face of a continuing demand.

Glue—Bone glue was higher by 1c. during the past week. Demand was heavy and as one producer pointed out, it was not in a position to take on any new business until it had satisfied its old, established customers. At present, this producer said, it was faced with a backlog of orders. The new listings, in carloads, were:—40 jellygrams, 19½c.; 65 jellygrams, 21c.; 80 jellygrams, 22c.; 110 jellygrams, 23c.; 130 jellygrams, 24c.; over 150 jellygrams, 25c.

Ground bone glue had gone up recently by 1c. a pound to become 21½c. a pound for the 65 jellygrams in carload lots and 22½c. in less than carload lots. Since this is not a big item in the trade there was not a great deal of activity in this market.

Hide glue was up 2c. a pound. Demand was strong. It had been holding at good levels before the war scare in the Far East but since hostilities started in Korea it had increased. Consumers, remembering the difficulties they had in obtaining material during World War II, were apparently frightened that something resembling that situation might occur again and were attempting to lay in inventories. One producer pointed out during the week that for the moment, at least, this seemed to be unnecessary, and said it was not shipping to consumers it knew wanted material merely for inventory purposes. Supply was sufficient to cover the normal needs of the market, it was said, and will continue to be if buyers do not become excited and try to rush the market.

The new prices, in carloads, are:—100-121 jellygrams, 24c. to 27c.; 122-149 jellygrams, 25c. to 28c.; 150-177 jellygrams, 26c. to 29c.; 178-206 jellygrams, 27c. to 31c.; 207-236 jellygrams, 28c. to 32c.; 237-266 jellygrams, 29c. to 33c.; 267-296 jellygrams, 30c. to 34c.; 299-330 jellygrams, 31c. to 35c.; 331-362 jellygrams, 32c. to 35c.; 363-394 jellygrams, 33c. to 36c.; 395-427 jellygrams, 34c. to 37c.; 428-460 jellygrams, 35c. to 38½c., and 461-494 jellygrams, 36c. to 40c.

Stearates—Although stearic acid advanced twice during the past two weeks, there were still no rises noted in the prices of the stearates during the last trading period. Normally it takes some time before they reflect changes in the acid, although it was not thought unlikely that there would be new prices before long. Demand continued at good levels, although it was not unusually heavy. Supply was ample for the normal needs of the market.

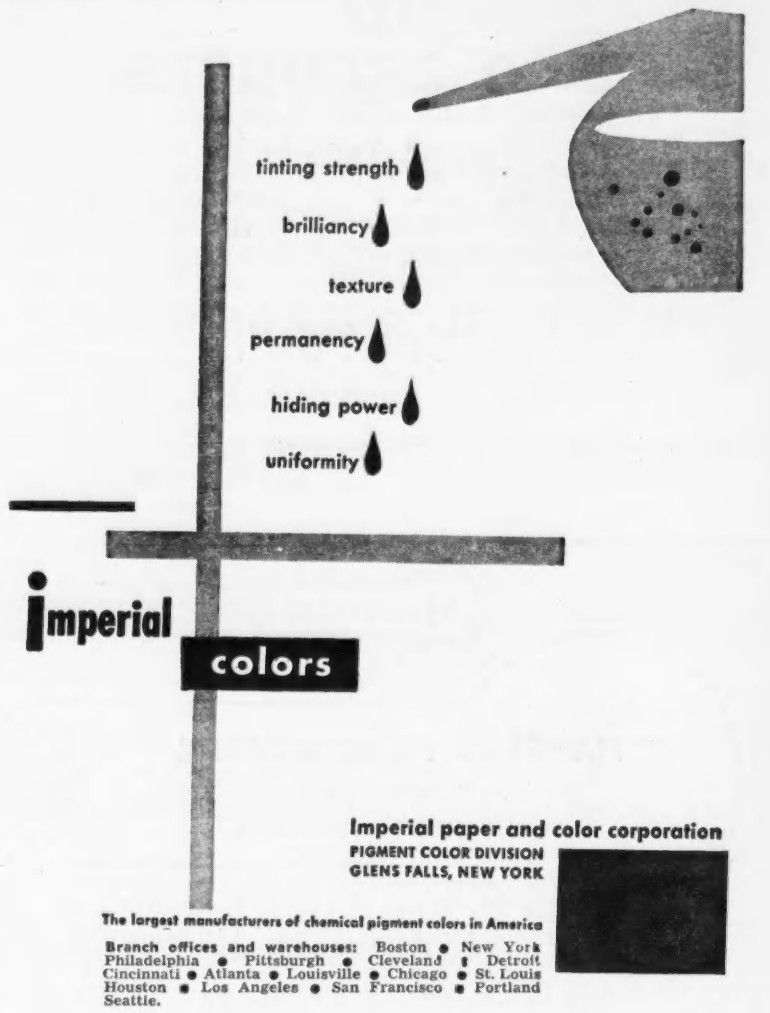
Soybean Protein—The chemically isolated material is due for another rise in price this week, according to an announcement made a few days ago. During the previous period it was up 1½c. and on August 3 it will go up an additional 2½c. This will make the new schedule:—40,000 pounds, 24c.; 20,000 pounds, 24¼c. and smaller lots, 24½c. to 28c.

Naval Stores

Soap factories, paper mills and paint manufacturers in Brazil are concerned over the shortage of rosin. Several end users report that they have had to cut back production because of the scarcity, the Department of Commerce reports. Some trade sources indicate that stocks are lower than during the war years. Almost no licenses for the importation of rosin from the United States were granted in the first quarter of 1950. Licenses were issued to France but French exporters were unable to fill the orders. Stocks of turpentine are low in Brazil but the stocks on hand appear sufficient to meet urgent needs. Demand for this product is said to be not large, since many former users now employ mineral spirits or other solvents.

Exports of rosin from France in the 1949-50 crop year totaled 25,700 metric tons, the Department of Commerce reported. Argentina was the principal customer, taking 10,800 tons, followed by the United Kingdom with 4,700 tons. Germany purchased 3,200 tons, and Brazil 2,000 tons.

European countries supplied important quantities of gum rosin to the United Kingdom in 1949 and dominated the market in the first quarter of 1950, the Department of Commerce recently reported. Stocks at the end of the quarter were reported to be low but are considered sufficient to meet demand until the new European crop is available. Because of the



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and SYNTHETIC RUBBERS

HARDESTY CHEMICAL CO., INC.
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high prices of European gum rosin, there has been some speculation as to whether buying in the United States may not be resumed, at least for a time.

Pine Gum—Prices received by producers for crude pine gum delivered to processing plants during the week ended July 22 averaged $19.56 per standard barrel of 435 pounds, according to the Department of Agriculture. This compares with an average price of $18.71 for the previous week.

The twenty-three reporting plants received 31,784 barrels, or an average of 1,382 barrels per plant, compared with 1,332 barrels for these same plants a week earlier. The contents per barrel averaged 11.53 gallons of turpentine and 298.9 pounds of rosin. The gum was graded 57 percent WW, 14 percent WG, 10 percent N, 10 percent M, and 9 percent K and below.

The record of the gum naval stores markets during the week ended July 28 was as follows:—

Gum Rosin

	Price per 100 lbs. Savannah Exchange (Low of range) Mon.	Tues.	Wed.	Thurs.	Fri.	New York c.l., l.c.l., f.o.b. ex N. Y. whse. Friday	
B	$4.10	$4.10	$4.10	$4.10	$4.10	$6.50	$7.25
D	4.25	4.25	4.25	4.25	4.25	6.50	7.25
E	4.75	4.75	4.75	4.75	4.75	6.85	7.60
F	5.07	5.07	5.07	5.07	5.07	6.85	7.60
G	5.61	5.69	5.69	5.69	5.69	6.85	7.60
H	5.61	5.69	5.69	5.69	5.69	6.85	7.60
I	5.61	5.69	5.69	5.69	5.69	6.85	7.60
K	5.61	5.69	5.69	5.69	5.69	6.85	7.60
M	5.61	5.69	5.69	5.69	5.69	6.85	7.60
N	5.61	5.69	5.69	5.69	5.69	6.85	7.60
WG	5.61	5.69	5.69	5.86	5.86	6.95	7.70
WW	5.65	5.69	5.69	5.86	5.86	7.15	7.90
X	5.65	5.69	5.69	5.86	5.86	7.15	7.90
	Drums						
Sales	...	739	...	200	...		
Receipts	681	277	1,828	463	77		
Shipments	...	1,545	55	...	...		
Stocks	37,271	36,003	37,776	38,239	38,316		

Gum Turpentine

	Savannah Exchange Bulk Mon.	Tues.	Wed.	Thurs.	Fri.	New York (ret. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.) Friday	
Per gal.	.41⅛	.41½	.41½	.42½	.43½	.60	.70
Sales, bbls.	...	...	...	160	...		
Receipts, bbls.	308	353	173	429	...		
Shipments, bbls.	395	11,779	200	215	...		
Stocks, bbls.	17,300	5,874	5,847	6,061	...		

ECA Announces Additional Procurement Authorizations

Economic Cooperation Administration last week announced the issuance of a procurement authorization to China for the purchase of $1,200,000 of soybeans from the United States and another authorization for the purchase of $132,000 of hides and skins from India, Pakistan and Indonesia.

Austria received authorizations to purchase $130,000 worth of copper and copper products and $40,000 of nonmetallic minerals from the United States.

Spencer Kellogg Names Chase Chicago Sales Head

Lee J. Chase, jr., has been appointed Chicago district sales manager of Spencer Kellogg & Sons, Buffalo. He succeeds Herbert A. Swales, who has retired.

Mr. Chase joined the company's coconut oil department in Buffalo on July 14, 1941. He was named manager of the edible oils department in 1942.

Mr. Swales joined the company on February 16, 1920, as assistant district sales manager of the Chicago office. In 1920, he was named district sales manager. His retirement was effective on July 1.

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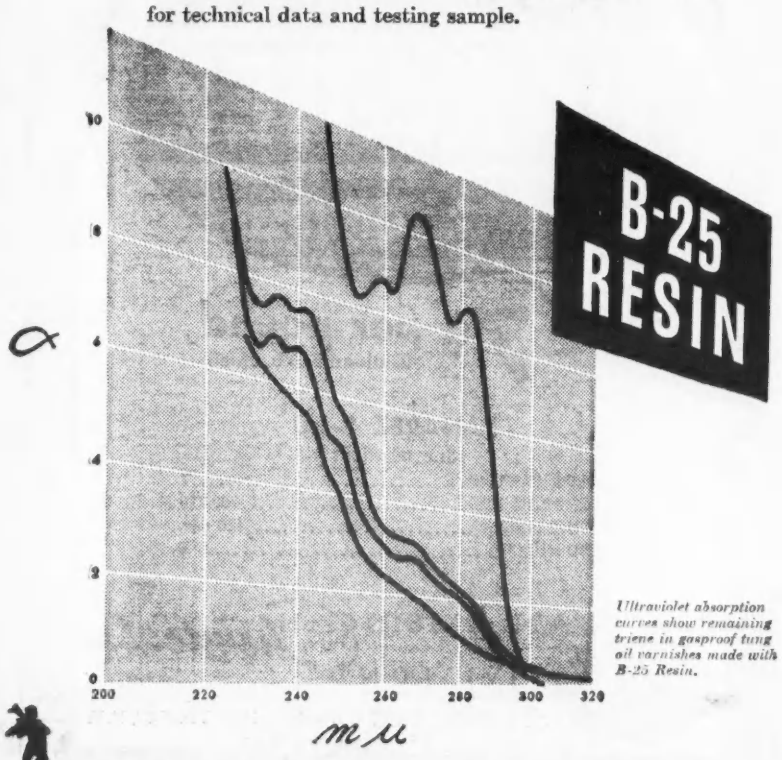
Here's a new Hercules synthetic resin to help you get the most out of tung oil. Known as B-25 Resin, it produces varnishes that are entirely free from frosting, wrinkling, or checking And this "gasproofness" can be obtained whether varnish-making schedules call for long cooking periods at low temperatures or fast cooks at moderately high heat. Send for technical data and testing sample.



Ultraviolet absorption curves show remaining triene in gasproof tung oil varnishes made with B-25 Resin.

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USES: As a finished varnish and vehicle
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British Firm Offering Potash Blues in U.S.

Hardman & Holden, Ltd., Manchester, England, who market their products throughout the world under the registered trade name, "Manox," are currently distributing their products from warehouse stocks maintained in New York. In pigments, the British firm specializes in the production of iron blues of softer texture and high color strength, starting from the basic raw material which they make themselves.

The Hardman & Holden product is shipped in steel drums having full removable heads and lever closure. Due to devaluation of currency, the potash blues are lower in price than soda blues. Samples are available from Filo Color & Chemical Corporation, 202 East 44th street, New York 17, N. Y., who are the Hardman & Holden distributors in the United States.

Bids Wanted

Aluminum powder, 5,000 pounds, Picatinny Arsenal, Dover, N. J., invitation 26, August 9.

Chlordane, 1,500 gallons, liquid chlorinated hydrocarbon insect toxicant packed in 5-gallon pail type 1, Navy Purchasing Office, 111 East 16th street, New York, invitation 6868, August 14.

Cinnamon, ground, 7,136 pounds, New York Quartermaster Procurement Agency, invitation 44, August 21.

Enamel, Aviation Supply Office, 700 Robbins avenue, Philadelphia, 1,200 gallons exterior semi-gloss, invitation B-50,940, August 3; 3,650 gallons interior gloss, 1,500 gallons, synthetic gloss, 700 gallons, semi-gloss, invitation B-50,971, August 8.

Insecticide airplane spray, 91,936 gallons; DDT spray, 151,500 gallons, Navy Purchasing Office, New York, invitation 6867, August 21.

Lindane, 500 gallons, Navy Purchasing Office, New York, invitation 6876, August 21.

Magnesium, type III, 4,000 pounds, Picatinny Arsenal, Dover, N. J., invitation 11, August 17.

Oil paint, exterior, 500 gallons, Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation B-50,952, August 7.

Paint drier, enamel, pigment, varnish, 12,747 gallons, General Service Administration, FSA, New York, reference N. Y.-165-269, August 8.

Paint, varnish, shellac, various, General Service Administration, FSA, New York, reference N. Y. 227, 228, 229, 232, 233, 234, August 7.

Penicillin ointment, 5,184 boxes, Armed Services Medical Procurement Agency, 154 Sand street, Brooklyn 1, N. Y., invitation 30, August 8.

Pepper, black, whole malabar, 1,000 pounds, Philadelphia Quartermaster Depot, invitation 6, August 3.

Petroleum products, various, Armed Services Petroleum Purchasing Agency, Navy Mail Center, Washington 25, invitation 51-4, August 15; invitation 50-82/F, August 7; invitation 113/E, August 1; invitation 9, August 2; invitation 67/F, August 10.

Pigment, dry, 20,000 pounds, Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation B-51,008, August 11.

Polymer polysulphide synthetic rubber compound, liquid, 850 gallons, Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation B-50,985, August 9.

Pyrethrum concentrate, 110 gallons, Public Buildings Service, General Service Administration, reference 36, August 8.

Road tar, 17,300 gallons, Davis-Monthan Air Force Base, Tucson, Ariz., invitation 4, August 14.

Soap, grit, 28,580 cakes, Schenectady General Depot, N. Y., invitation 4, August 14.

Striping paint, 4,000 quarts, Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation B-50,969, August 8.

Trichloromonofluoromethane, 5,000 pounds, Aviation Supply Office, 700 Robbins avenue, Philadelphia, invitation Z11,389, August 9.

White lead, 18,600 pounds, General Service Administration, New York, reference N. Y.-268, August 8.

Drop in Copra, Coconut Exports in '50 Forecast

Exports in 1950 of copra and coconut, in terms of copra, from the major producing areas of the world—the Philippines, Indonesia, Ceylon and Malaya—are expected to be somewhat smaller than in 1949, according to information available to the Office of Foreign Agricultural Relations.

The agency said that the anticipated increase in Philippine exports probably will be offset by a comparable decrease in Indonesian shipments. Likewise, any increase in Malaya may be counteracted by a decline in Ceylon.

Exports from these four areas during the first quarter of this year totaled 215,600 long tons, copra basis, representing a decrease of 18 percent from the same period of 1949, with the Philippines and Malaya showing increases of 7 and 50 percent, respectively, and Indonesia and Ceylon decreases of 36 and 69 percent, respectively.

Mathieson Splits Stock

Stockholders of Mathieson Chemical Corporation, Baltimore, at a special meeting July 26, voted to approve the two for one split-up of the corporation's common stock. Thomas S. Nichols, president, is advising the company's shareholders of common stock that their present stock certificates may be exchanged for the new shares at any of the three transfer agents for the common stock. The two-for-one split increases the authorized common stock of Mathieson to 3,000,000 shares with a par value of $5 each. Issued and outstanding stock amounts to 2,686,594 shares.

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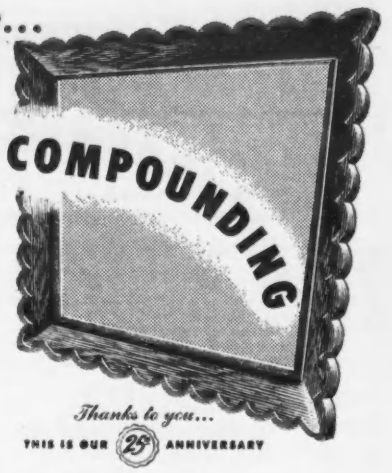

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Casting Resin Development Described by Standards Bur.

As a result of National Bureau of Standards developments in the fields of specialized electronic components, a special casting resin was developed to improve the stability and ruggedness of electronic circuits. These circuits are built without a chassis for the sake of lightness and compactness.

A circular recently published by the National Bureau of Standards and available from the Government Printing Office describes methods used in determining the necessary properties of this casting material in addition to formulae and preparation techniques.

A casting resin was needed with low viscosity, low coefficient of expansion, low dielectric constant and power factor, and high leakage resistance. Many commercial resins were tested, but failed to meet all of these minimum requirements. The casting material had to become hard upon polymerization, but could not shrink excessively or damage to the delicate electronic components would result. This circular describes test procedures and results, and presents illustrations of apparatus used in the preparation of this resin.

Circular 493, "Development of the National Bureau of Standards Casting Resin," ten large double-column pages, is available from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., for 10 cents a copy. Remittances from foreign countries should be made in United States exchange and must include an additional sum of one-third the publication price to cover mailing costs.

GE Names Barrett Sales Head of Plastics Division

Willard R. Barrett, formerly vice-president and general manager of the Hoosier Cardinal Corporation, Evansville, Ind., has been named sales manager for the plastics division of the General Electric Company.

Mr. Barrett has been with Hoosier for the past three years. Prior to that he was associated with the E. I. du Pont de Nemours & Co. for twenty-four years, having started with them shortly after leaving college, at their experimental station at Wilmington. After more than a year of research work he was chosen to organize the Philadelphia plant's laboratory.

The following year he became plant manager at Chicago and eight years later manager of both the Flint, Mich., and Toledo, Ohio, plants. He continued to hold this latter post until 1942 when he transferred to Remington Arms, a subsidiary of du Pont, and during World War II was successively in charge of ordnance plants at Lowell, Lake City, and Denver. At the end of the war he was transferred to Boston where he was named manager of the New England sales district, holding this post until 1947.

New Mine Subsidy Bill Goes to Senate for Vote

A new mine subsidy bill (S. 3972) to stimulate exploration and conservation of strategic and critical ores, metals and minerals was reported to the senate for passage by the committee on interior and insular affairs last week.

The bill carries an authorization for annual appropriation of up to $80,000,000 for the next three years. These funds would be used by the government in sharing the costs of exploration with private operators and in maintaining private mining properties in a standby condition or by purchase of products from such properties at prices which would enable them to continue in operation.

N.Y. Oil Trades Annual Golf Outing August 22

The thirty-fourth annual summer sports outing of the Oil Trades Association of New York will be held at Pelham Country Club, Pelham Manor, N. Y., on August 22. Reservations must be received on or before August 18. Guests will be limited to three per member.

Brooklyn Polytechnic Sets Plans for Paint, Resin Courses

Three of the five courses composing the series in paint and resin technology which has been pioneered by the Polytechnic Institute of Brooklyn during the past fifteen years will be given as 1950-51 offerings, when the fall semester opens September 25, according to an announcement made by Dr. Raymond E. Kirk, dean of the graduate school.

Revised annually to keep them in step with the rapid advances in this field the courses listed for the 1950-51 semester include "Oil, Resin and Varnish Technology," "Paint and Pigment Technology," and the "Technology of Resins and Plastics." The courses in the series which will be given in 1951-52 are the "Technology of Organic Coatings," "Protective and Decorative Coatings for Metal," "Oil, Varnish and Resin Technology" and "Paint and Pigment Technology."

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Oils, Fats and Waxes

Sharp price advances occurred in oils and fats as consumers sought to cover requirements and build inventories last week. Trading was moderate as offerings were restricted, but quotations reached new highs for the year. The price index advanced 13.8 points.

Edible vegetable oils were prominent in the upward movement and the increased cost was reflected throughout the entire list. Crude cottonseed and peanut oils were lifted 2 cents per pound, and soybean oil at least 1 cent. Vegetable oil fatty acids were raised another cent per pound. Coconut oil advanced with the boost in copra of $17.50 per ton. Further increases took place in the cost of tallow and greases which were lifted 1¼ cents per pound but was still below the price paid for export. Domestic users purchased moderate quantities at the advance from outside sources as sellers on the seaboard were sold up on export contracts. Animal oils were stronger and all were boosted from 1 to 2 cents per pound. Lard was in good request in the West and made good gains.

Drying oils were firmer and higher. Linseed for September and October delivery was raised fractionally, while prompt delivery was unchanged. Oiticica and tung oils were up fractionally, while refined fish was boosted 1½ cent per pound. Processors boosted bids 3 cents per pound for crude menhaden and sardine oils without attracting sellers interest.

Active demand for edible olive oil on spot and for prompt delivery cleaned up supplies causing sellers to withdraw from the market, and prices advancing from 25 to 50 cents per gallon. Olive foots also were in limited supply and raised 1 cent per pound following the boost in red oil.

The same buying conditions existed in vegetable waxes. Candelilla went "crazy" and quotations were boosted about 10 cents per pound for supplies on spot. Refusal of sellers to make shipments from Mexico was a dominant factor. Carnauba wax also was stronger and lifted 5 cents per pound due to the reduced stocks here and scarcity of offers for replacement from Brazil. African crude beeswax was stronger, advancing 3 cents per pound.

The New York Produce Exchange announced an increase of 50 percent on margin requirements on bleachable prime summer yellow cottonseed oil and crude soybean oil futures effective July 26. Margins were raised to $1,200 per contract for either oil futures. Straddle margins also were increased 50 percent to $300 per for either cottonseed oil or soybean oil and to $600 for a straddle between cottonseed and soybean oils.

Cottonseed Oil

Active trading and sharp advances featured bleachable eottonseed oil futures last week. Prices reached new season's highs, with considerable trading for speculative account. Drastic fluctuations took place daily but prices withstood liberal profit taking, as considerable speculative demand supported the market. Refiners continued to absorb September oil against sales of futures. Drastic advances in soybeans, lard, crude cottonseed oil and other oils and fats were strengthening factors.

Refined cottonseed oil consumption during June was the smallest of the season totaling 1,791 tankcars, compared with 1,994 tankcars in May and 2,322 in May, 1949. The visible supply on June 30 was estimated at 6,157 tankcars, against 5,068 for the period last year.

Crude cottonseed oil was sharply higher advancing 2c. per pound. Trading was limited owing to scarcity of offerings, but sales took place on a scale upward. Sales were reported up to 17½c. per pound, tankcars, f.o.b. mills, in the Valley and 17¼c. Texas. New crop oil was quoted at 16c. to 16¼c., Texas, October-December.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended July 28 follow:—

	Sales	Cents per pound High	Low	Close
September	195	19.90	18.40	19.60—19.51S
October	353	19.25	17.84	18.70—18.71S
December	872	19.05	17.70	18.55—18.56S
March	355	19.10	17.70	18.58—18.56S
May	684	19.15	17.74	18.60—18.58S
July	13	18.96	18.00	18.54@18.60

Total sales, 3,072 tankcars, including switches.

Memphis.—Crude cottonseed oil quoted at 17¾c. per pound, tankcars and crude soybean oil 14¼c. per pound, Valley basis. Trading light. Cottonseed meal about exhausted this territory, quoted nominally at $85 per ton, sacked, Memphis, August delivery. Hulls, $14 per ton, bulk and $19, sacked. Weather has cleared, which will permit weevil spraying.

Linseed Oil

Market was firmer for forward delivery and was advanced ½c. per pound, while prompt delivery was without change. Raw oil was unchanged at 17.5c. per pound tankcars, Zone 3 for July-August delivery, while September was advanced to 16.30c. and October to 15.80c., same basis. Demand for oil was more active especially for delivery against former contracts.

Minneapolis.—A good demand developed for old-crop linseed oil for nearby shipment at the Minneapolis market the past week. Supplies were scarce, with some crushers reporting they were completely sold out. Paint manufacturers and consumers were active in booking for August shipment, but displayed only light interest for September offerings. There was practically no interest in October-December needs. Old-crop linseed oil moved at 16.7c. per pound, raw basis, in tankcars, zone 1, but some large lots sold at 16.5c. a pound earlier in the week. At the week's end, rock bottom price was 16.7c. New-crop linseed oil for September delivery was quoted at 15.2c. a pound early in the week, then was advanced to 15.7c. Oil for October delivery, which was priced at 14.7c. a pound at mid-week, moved up to 15.2c. a pound. Shipping instructions continued very good.

Shipments of linseed oil from Minneapolis last week, in pounds, were as follows:—

	1949-50	1948-49
This week	9,600,000	9,360,000
Since Sept. 1	391,880,000	344,438,000

Flaxseed—New crop was firmer and advanced 10c. to 20c. per bushel. Trading was light.

Minneapolis.—There was very little trading in flaxseed—old-crop or new—at the Minneapolis market last week. A few scattered cars of old-crop seed sold at $3.75 per bushel. New-crop flax for August shipment held steady at $3.70 per bushel, while September shipment was quoted unchanged at $3.50, delivered Minneapolis. Trading was light in the futures market, also, with the October contract at a new seasonal peak of $3.60 per bushel. Receipts of old-crop seed approximated 170 cars, some applying on to-arrive sales and the balance to C.C.C. account for terminal storage. Close to 75,000 bushels of flax were shipped out during the week, mostly CCC supplies going to Buffalo, N. Y., storage via the Great Lakes. As for the new flaxseed crop in the Upper Midwest, conditions were reported excellent. Recent rains helped the crop considerably. The crop faces August heat and the possibility of an early frost in the northern regions later on.

Receipts and shipments of flaxseed last week, in bushels, were as follows:—

Bushels—	Receipts 1949-50	Receipts 1948-49	Shipments 1949-50	Shipments 1948-49
This week	268,500	219,300	74,800	35,700
Since Sept. 1	21,721,800	32,944,400	4,828,800	8,355,400

Other Vegetable Oils

Castor Dehydrated — Consuming demand continued active. Market was stronger. No. 3 was raised ½c. to 18c. per pound, tankcars and 19c. drums, carlots. Other grades were unchanged.

Coconut—Market was firmer with the advance in copra and crude oil lifted to

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Beeswax, African, crude, 3c. per lb.
Candelilla wax, 10c. per lb.
Carnauba wax, 5c. per lb.
Castor, No. 3, ½c. per lb.
Coconut oil, ½c. per lb.
Copra, $17.50 per ton.
Corn oil, 1¼c. per lb.
Cottonseed fatty acid, 1c. per lb.
oil, 2c. per lb.
Fish oils, refined, 1½c. per lb.
Greases, 1¼c. per lb.
oil, 2c. per lb.
Lard, 1¾c. per lb.
Linseed oil, futures, ½c. per lb.
Menhaden oil, crude, 3c. per lb.
Oiticica oil, ½c. per lb.
Oleo oil, 1c. per lb.
stearine, 1½c. per lb.
Olive oil, edible, 25c. to 50c. per gal.
foots, 1c. per lb.
Ouricury wax, 5c. per lb.
Peanut oil, 2c. per lb.
Red oil, 2c. per lb.
Sardine oil, crude, 3c. per lb.
Soybean fatty acid, 1¼c. per lb.
oil, 1c. per lb.
Stearic acid, 2c. per lb.
Tallow, 1¼c. per lb.
fatty acid, 2c. per lb.
oil, 2c. per lb.
Tung oil, ½c. per lb.

Prices Reduced

None

Comparative Price Indexes

Last week	Prev. week	Last month	Dec. 30, 1949	July 29, 1949
(100—August 1, 1914)				
144.3	130.5	117.3	111.3	116.8

(For Current Prices see Page 9)

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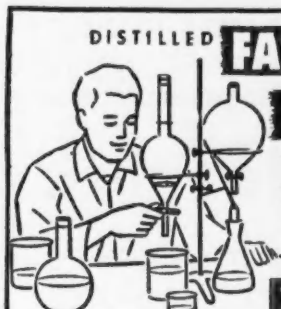
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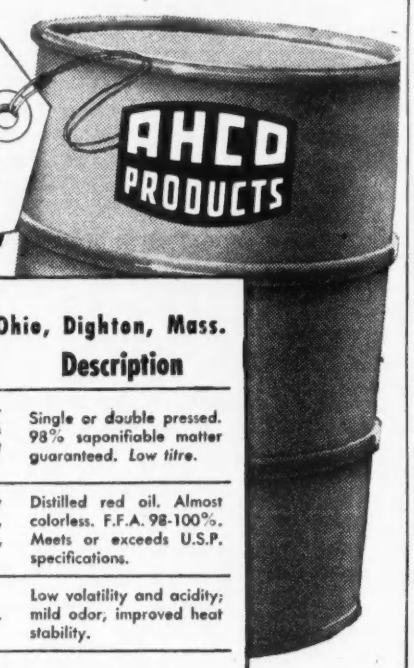

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15¾c. per pound, tankcars, f.o.b. Pacific coast, August shipment, and 15¼c. September.

Copra—Shipments were raised to $210 per short ton, c.i.f. Pacific coast, with trading reported thereat.

Corn—Crude oil was sold at 17c. per pound, tankcars, f.o.b. mills. Offerings were scarce. Refined oil also was higher at 20½c. per pound, tankcars, New York delivery.

Oiticica—Improved demand advanced quotations ½c. Tankcars were raised to 19½c. per pound and drums to 20½c. to 21c. per pound, depending upon quantity.

Palm—Trading was more active, with soapers showing more interest. Prices were steady at 13¾c. per pound, drums, spot and prompt delivery. Futures quoted at 12¼c., tankcars, New York, early September delivery.

Olive—Active trading was reported for spot and shipment, resulting in the withdrawal of some sellers from the market. Edible oil was stronger and sales were reported at $2.50 and up to $3 per gallon, drums, spot, duty paid, according to quantity and seller. Olive foots also were firmer and in limited supply. Quotations ranged from 13½c. to 14c. per pound for spot delivery, as to quantity.

Peanut—Prices were sharply higher, with crude sales at 20c. per pound, tankcars, f.o.b. mill, Southeast. Offers were scarce. Government sold peanuts for about seven tankcars of oil in the Southeast last week. Refined was advanced to 24c. per pound, tankcars, New York basis.

Soybean—Sharp advances in beans, boosted oil up to 14c. per pound, tankcars, f.o.b. mills, July-August, 14c.; September, 13⅞c.; October-December was sold at 12⅞c., same basis. Edible oil was advanced to 17c. per pound, tankcars, New York delivery. Alkali refined and clarified were lifted to 16.90c. and 16c. per pound, respectively, for tankcars, New York delivery.

Soybean oil consumption in June amounted to 2,414 tankcars, against 2,982 in May and 2,606 in June last year. The visible supply was estimated on June 30 at 6,214 tankcars, compared with 4,467 for the same time last year.

on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended July 28 follow:—

	Sales	Cents per pound—High	Low	Close
August	10	13.75	13.75	14.00@14.50
September	150	14.20	12.95	13.75@13.85
October	189	13.60	12.19	12.75@12.83
November	43	13.00	12.25	12.30@12.75
December	159	13.50	12.12	12.30@12.55
January	21	13.05	12.10	12.30@12.50
March	35	13.16	11.90	12.39—12.50
May	13	13.20	12.35	12.25@12.35
July	..	....	....	12.25N

Total sales, 620 tankcars and switches.

Tung—This market was stronger under steady demand. Sales were reported at 24¾c. and 25c. per pound, tankcars, New York for prompt delivery, with sellers holding at 25¼c. for spot and 24¾c. for September. Drums were firmer at 26¼c. to 26¾c., depending upon quantity.

Fats and Greases

Greases—Market continued strong and quotations were raised 1¼c. per pound. Trading was moderate at the advance as offerings were light owing to the sold up production. Quotations for all grades were more or less nominal and were still below export levels. Choice white was nominal at 8½c. per pound, tankcars, delivered; yellow, 7c. and house 6½c., same basis.

Lard—Prices continued to advance with competing fats. Trading was reported active. Export demand was spotty. Pure lard was higher at 19½c. per pound, containers f.a.s. Cash lard was advanced to 16.25c. per pound, tierces, Chicago.

Tallow—Further advances took place, as quotations were lifted 1¼c. per pound. Trading was limited at the advance as offerings were scarce. Export inquiry slackened as the market advanced. Fancy for shipment was entirely nominal at 9½c. to 9¾c. per pound, loose, c. and f. New York. Domestic buyers purchased light quantities of fancy at 8½c. per pound, tankcars, delivered; extra, at 8¼c. and special at 8c., same basis.

Animal Oils

Degras—Market continued steady, with the firmness of crude. Trading was more active and prices were unchanged, but firmer.

Grease Oils—Higher cost of basic greases, resulted in an advance of 2c. per pound. No. 1 was quoted at 14¼c. to 14¾c. per pound, as to quantity; extra winter strained, 15¾c. to 16¼c. and prime burning, 16¾c. to 17¼c., same basis.

Oleo Oil—Demand continued active. Extra was higher and nominal at 16½c. to 17c. per pound, tierces, New York.

Fish Oils

Refined—Increased cost of crude oil and active consuming demand, resulted in refined grades advancing 1½c. per pound. Light pressed oil was lifted to 13c. per pound, tankcars and alkali refined to 14c., New York. Bids for crude menhaden oil were boosted to 10c., without attracting offers. Crude sardine was bid at 9½c. per pound, tankcars, f.o.b. Pacific coast with producers holding at 10c.

Los Angeles.—Interest continued in sardine oil as trading took place at record prices. The current market for new crop oil at San Pedro was 9½c. bid and 10c. asked per pound. Last week witnessed the first major trading at San Pedro, as approximately 20 cars were contracted for at 9c. per pound. Prices were raised to 10c. with bids of 9½c. turned down.

In the Monterey Bay area trading was light. Fishing is expected to get underway at Monterey Bay with raw fish selling between $32.50 and $35 per ton.

Fatty Acids

Prices for fatty acids were again boosted as a result of the increased cost

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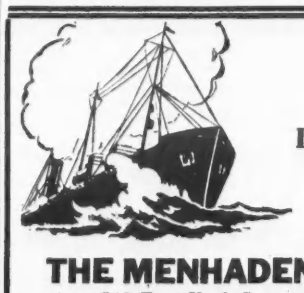

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of basic oils and fats. Coconut fatty acid was raised 1c. to 25½c. to 26¾c. per pound, drums, as to quantity; cottonseed, 1c. to 14c. to 15¼c. per pound; soybean, 1¼c. to 15¾c. to 18c.; tallow, 2c. to 13c. to 14½c.; red oil, 2c. to 17½c. to 18¾c., same basis. Stearic acid, single pressed, 15½c. to 16¾c. per pound, bags, according to quantity; double, 16½c. to 17¾c., and triple, 18¾c. to 20c., same basis.

Cake and Meal

Cottonseed Meal—Meal market continued very strong. Forty-one percent sacked meal was quoted at $72 to $73 per ton for Texas point and $79 to $80 Southeastern mills, August shipment. There is practically no cottonseed meal available in the Mississippi Valley. Occasional offerings are quoted on the basis of $77 per ton basis Memphis, but usually shipment is made from Oklahoma or other points.

Linseed Meal—Active consuming demand lifted prices $1 to $2 per ton.

Minneapolis.—Linseed meal prices advanced $1 to $2 per ton at the local market last week as good demand continued, due mainly to war-inflation psychology. Feed manufacturers and dealers were active in the market most of the week, becoming cautious only at the higher levels. Extracted linseed meal, 36 percent, for August shipment was $2 a ton higher at $69 per ton, bulk, in carlots, f.o.b., Minneapolis. Expeller linseed meal was $1 a ton higher at $70.

Shipments of linseed meal from Minneapolis last week, in pounds, were as follows:—

	1949-50	1948-49
This week	17,340,000	16,660,000
Since Sept. 1	737,331,500	606,000,000

Peanut Meal—Supply continued fairly limited. Government announced last week offerings of peanuts to produce about 275 tons of meal in the Southeast. Forty-five percent old processed meal was quoted at $85 to $86 per ton with solvent meal about $2 per ton less. Meal stocks will be limited until the new crop which will be available in early October.

Soybean Meal—Bulk meal was quoted at $85 to $86 per ton Decatur, August-September shipment. Occasional offerings show up from the southeast ranging from $95 per ton North Carolina, $96 to $97 Georgia and Alabama, and $91 to $92, basis Mississippi Valley points.

Waxes

Beeswax—Active demand for African crude cleaned up offerings for shipment and the market was lifted 3c. to 5c. per pound. Supplies on the spot were scarce. Prices were merely nominal at 49c. to 50c. per pound, if available. Refined grades were firmer though quotably unchanged.

Candelilla—Heavy buying cleared the market of all offerings and prices were boosted 10c. per pound. Reports from Mexico that shipments have been cancelled, accelerated demand. Sales were reported at 55c. per pound which was later turned down. Market was merely nominal at 55c. to 60c. per pound, depending upon seller and buyer.

—Continued on page 78

Margarine Output: May

Margarine production totaled 56,357,141 pounds in May, compared with 54,082,025 pounds in April, and 59,612,659 pounds in May, last year, according to the Bureau of Internal Revenue.

	Pounds May 1950	1949
Production of uncolored oleomargarine	37,713,975	49,185,173
Withdrawn tax-paid	39,288,448	50,362,940
Used in Uncolored Margarine		
Butter flavor	3,831	7,642
Corn oil	10,040	5,550
Cottonseed oil	17,963,444	25,558,807
Derivative of glycerine	57,143	71,051
Diacetyl	38	74
Lecithin	76,777	88,958
Milk	6,496,019	8,296,118
Monostearin	31,760	43,341
Neutral lard	231,071	334,159
Oleo oil	339,158	274,743
Oleo stearin	235,535	270,011
Oleo stock	54,055	67,750
Peanut oil	7,341	1,213
Salt	1,159,845	1,481,344
Soda, benzoate of	27,978	34,810
Soybean flakes	.....	480
Soybean oil	11,744,252	13,621,040
Sodium sulpho acetate	.....	4,191
Vitamin concentrate	5,995	7,573
Total	38,444,282	50,167,965
Production of colored oleomargarine	18,643,166	10,427,486
Withdrawn tax-paid	16,735,061	10,052,547
Used in Colored Margarine		
Butter flavor	8,010	4,901
Color	9,526	5,854
Corn oil	4,200	.....
Cottonseed oil	9,123,050	4,873,571
Derivative of glycerin	25,674	14,262
Diacetyl	12	12
Lecithin	33,523	19,138
Milk	3,140,352	1,749,958
Monostearin	13,544	5,421
Neutral lard	22,341	16,420
Oleo oil	34,491	24,986
Oleo stock	12,900	9,150
Peanut oil	3,555	1,566
Salt	565,909	319,291
Soda, benzoate of	12,628	6,014
Soybean oil	5,928,549	3,528,703
Soybean flakes	1,130	.....
Vitamin concentrate	3,156	1,490
Total	18,942,550	10,580,737

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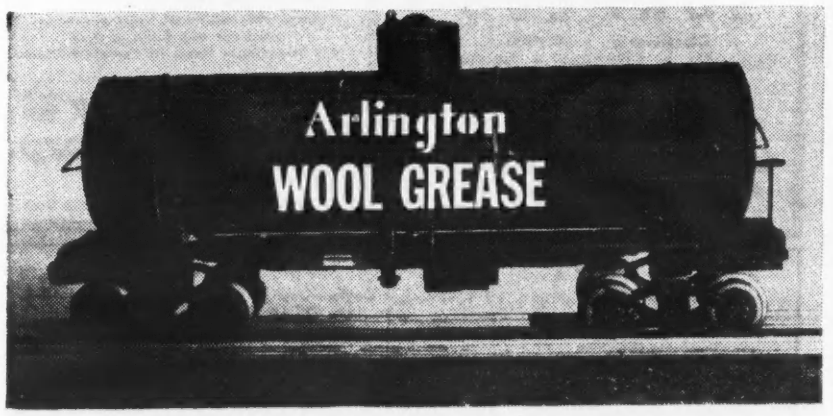

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6'x8', jack'td., S.S. clad, 40# WP, ASME.

CENTRIFUGALS

42" AT&M, bottom discharge, S.S. basket.
24" Bird, continuous, type CH, Series 200.

PUMPS

Dayton-Dowd, types 2½-DS-8-2, 4-DS-8-2, 1½-DS-10, 2-DS-10, 2½-DS-10, 1½-C-10, 2-C-8, 3-DS-8, 2-TU-8 (NEW).
Dayton-Dowd, naphtha, butane & gasoline, types DS, C & TU. 50 to 600 GPM. (NEW).
Economy 2½" VSL, vertical bronze fitted Centrifugal Sump Pumps. (NEW).
Economy, 2½" x 1½", type CS, turbine driven. (NEW).
Economy, 3"x3", Type MF, turbine driven. (NEW).
Nash Hytor, vacuum, size H8. (UNUSED).
Frederick Iron & Steel 8" DSV-SM, 2500 GPM, 150' H., comp. w/motor & control.

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1—AT&M 48" Suspended Type Imperforate Stainless Steel Basket.
1—Tolhurst 26" Suspended Type Centrifugal, bottom discharge, steel perforated basket.
4—Sweetland Filters, Nos. 12, 10, 7, 2.
3—Sweetland Filters, #2, all stainless.
1—Oliver 3'x2' Rotary Vacuum Filter, stainless steel valve.
1—Swenson 4'x5' Steel Rotary Vacuum Filter.
6—Patterson, Abbe Pebble Mills, 6'x8', 6'x5', 3'x3½', 2'x3'.
3—Mikro Pulverizers, 4TH, 2TH, 1SH.
5—Rotex Sifters, 20"x48", 40"x56", 40"x 120".
2—Tyler Hummer Screens, 4'x5', with controls.
1—Pfaudler 100-gallon, glass-lined, jacketed, agitated Kettle.
5—Baker Perkins Double Arm Steam Jacketed Mixers, 100, 20, 9 and 2 gal.
8—Shriver, Sperry, 36", 32", 24", 18", 12" Cast Iron P&F Filter Presses.
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1—#00 Raymond Mill 30 HP, complete.
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1—Lehman 4 Roll W C, 12"x36" Steel Mill.
1—Hardinge Conical Ball Mill, 4½'x24".
4—Allbright-Nell 4'x9' Atmos. Drum Dryers & Flakers.
1—Devine No. 3 Vac. 4 Shelf Dryer.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x20".
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5—Lehman & Kent 3-Roll Steel Mills, 3"x9", 9"x32", 12"x30", 16"x40".
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ½" to 3".
1—Robinson 22" Ball Bearing Attrition Mill, double pulleys.
11—Sharples No. 5A Stainless Oil Centrifuges, 2 HP. Also No. 6.
2—Colloid Mills, 5 & 10 HP, Stainless.
2—DeLaval Multi. Clarifiers, #300 & 501.
Devine 500, 300 & 1,000 gal. closed steel Kettles & Stills, 250 gal. lead lined kettle.
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
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10—Stokes Vertical High Vac. Pumps.
3—Duriron 3"x2" Centrif Pumps.
1—Sturtevant 36" Rock Emery Mill.
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Rotary Cutters Lab. to 40 HP.
8—Hammer Mills & Pulverizers, 3 to 50 HP.
6—Centrifugals, 26", 30" & 40".
4—#00 & #0000 Raymond Mills.
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Port. Elec. Mixers.
Filling Machines.
Soap Machinery for Toilet, Laundry, etc.

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1—Alsop Filter, T316 Stainless, SD-8-WR-10.
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4—Pfaudler, Jacketed, Glass-Lined Kettles, 1,000 gal. cap.
1—Stainless Steel, Jacketed Kettle, 500 gal. cap.
3—Stainless Steel, Jacketed Reactors with agitator, 1,000 gal. cap.
5—Stainless Steel, Jacketed Kettles, 300 gal. cap., with agitator.
1—Shriver Filter Press, 42" x 42", 46 chambers, side feed, open delivery, washing type.
1—Stainless Steel Direct Fired Still, 6' x 6', with coils and agitator.
3—Black & Clawson Double Drum Dryers, 28" x 5'.

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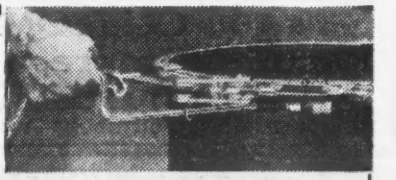

DRUM PARTS SYSTEM was designed to make it easy to insert the bolt in the lugs on the ring and to tighten the bolt after it has been inserted.

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DRUM PARTS, INC.
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Agent Wanted: Established paint raw material manufacturer desires expand into new territories. Sales representation wanted Chicago. Replies held confidential and should list present principals or lines handled. OPD 381.

AGENCIES WANTED

Agencies wanted for heavy chemicals and specialties by an old established concern with offices in New York City, warehouses in New York City and Newark. Salesmen covering metropolitan area, northern New Jersey, eastern Pennsylvania, New York, western Massachusetts and Connecticut. Replies treated confidentially. OPD 360.

Good established paint line and allied specialty line, wanted by experienced manufacturer's agent for Georgia, South Carolina and Florida. Commission basis. Can offer honest, thorough coverage. Lawrence T. Mayer, P. O. Box 1720, Savannah, Ga.

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Steel reactor made by Patterson Foundry & Machine Co. 2,500 gallons capacity; with Centri-Cone agitator; ASME vessel; WP. 40 jacket, 100 internal; never used. Available immediately. OPD 389.

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For Sale: Tolhurst stainless steel centrifuge 48" perforated basket, 2 speed direct motor drive; 150 gallon Pfaudler stainless steel reactor. OPD 394.

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For Sale: Diatomaceous earth deposit and plant in Lompoc, California area, containing processing plant suitable for producing powder and aggregate for building purposes and industrial uses. For full details address "Diatoms," OPD 391.

MATERIALS OFFERED

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Wanted: Crude Coal tar and Water Gas Tar in quantities. We have facilities for immediate removal. R. R. Tank Cars, Tank Trucks, Storage Tanks. P. S. Kramer, Tar Refiner, 7 Smith Street, Paterson 1, N. J.

MATERIALS WANTED

Wanted: Surplus and salvage chemicals, solvents, pigments, oils, varnishes, resins, spray booth sludge and any recoverable material. We are direct users, not dealers, and hence can afford to pay you more We use ourselves everything we buy. Kemsicote Chemical Company, P. O. Box 349, Rahway, New Jersey.

To manufacturers and jobbers: Are you overstocked? We require immediately large or small lots many items chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 359.

Titanium pigment wanted: Offering top price for white pigment. Landau, 5-35 47th Ave., L. I. C. 1, N. Y.

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Wanted—Complete plants; also machinery. Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole, or in part. Personnel retained where possible Strictest confidence. Box 694, 1474 Broadway New York 18. N. Y.

Small or medium-sized chemical plant equipped for manufacture of fine organics. Either purchase or lease. Midwest location preferred; any location considered. OPD 392.

POSITIONS OFFERED

Chemical Market Research—Attractive opening for a chemist, preferably with some training in business administration and several years of practical experience in market research, as a market analyst in the research division of a chemical and petroleum company in the southwest. Send complete details of training and experience. OPD 365

Lubricating grease superintendent who has the qualifications to take complete charge of all manufacturing facilities for newly organized Industrial Lubricant Co., whose tieup with an old established sales organization assures a large market for industrial lubricants. Please state experience, age and full particulars. An unusual opportunity for the qualified man. Applications and conferences will be held in strict confidence. Reply OPD 388.

POSITIONS WANTED

Organic Chemist, M.S. University of Pittsburgh, courses toward Ph.D., married, veteran, age 30. Desires position in research or development, with future. OPD 385

Paint Chemist: Graduate, 10 years' experience industrial finishes, trade sales, varnish, technical sales service, plant manager. Presently employed, desires change; metropolitan New York area only. OPD 390.

Chemist—13 years' production experience fine chemicals. Knowledge equipment, control records and purchasing; handle men; production scheduling from raw materials to shipping. OPD 393.

Davidson in Oil Post

Secretary of Interior Oscar Chapman last week appointed C. Girard Davidson to head up the department's petroleum affairs. Mr. Davidson, who will hold the title of assistant secretary, will act as the secretary's contact with industry on a top level basis.

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Fats and Oils Imports, Exports: Jan.—May

United States exports of all fats, oils, and oilseeds (oil equivalent) totaled 839,000,000 pounds during January to May, a decline of 17 percent from the 1,075,000 pounds exported during the corresponding period in 1949, the Department of Agriculture reported. The most notable decreases were in soybeans, flaxseed, peanuts, lard, tallow, and refined soybean, cottonseed, and peanut oils.

Reductions were offset to some extent by sizable gains in exports of cottonseed, oleomargarine, linseed oil, and crude soybean, cottonseed, and peanut oils.

European and Western Hemisphere countries were the principal destinations of all fats, oils, and oilseeds. Approximately 60 percent of the lard went to Europe, 33 percent to North America, and 4 percent to South America. Tallow shipments followed more or less the same pattern but were more widely distributed. Asia and Africa took one-fifth of the inedible tallow.

Imports of all fats, oils, and oilseeds (oil equivalent) in the first five months of this year reached 456,700,000 pounds, compared with 377,100,000 pounds in the same months in 1949. Marine oil, copra, coconut oil, babassu kernels, tung oil, and olive oil arrivals were considerably larger than a year ago.

Exports during January to May of specified fats, oils and oil seeds were reported by the department as follows:—

Soybeans	bu.	7,708,000
Soybean oil:		
Refined	lbs.	26,723,000
Crude	lbs.	130,805,000
Coconut oil:		
Refined	lbs.	3,430,000
Crude	lbs.	5,018,000
Cottonseed		18,303,000
Cottonseed oil:		
Refined	lbs.	23,830,000
Crude	lbs.	67,843,000
Flaxseed	bu.	1,699,000
Linseed oil	lbs.	3,615,000
Peanuts:		
Shelled	lbs.	51,805,000
Unshelled	lbs.	805,000
Peanut oil:		
Refined	lbs.	4,517,000
Crude	lbs.	23,798,000
Corn oil:		
Refined	lbs.	374,000
Crude	lbs.	81,000
Vegetable stearin	lbs.	500,000
Vegetable tallow and wax	lbs.	1,346,000
Fatty vegetable acids	lbs.	21,798,000
Oleomargarin	lbs.	1,432,000
Cooking fats	lbs.	5,063,000
Lard	lbs.	254,874,000
Tallow:		
Edible	lbs.	3,071,000
Inedible	lbs.	143,251,000
Neatsfoot oil	lbs.	271,000
Stearic acid	lbs.	2,328,000
Other animal fats and greases	lbs.	22,477,000
Fish oil, excluding medicinal	lbs.	13,668,000

Imports of specified fats and oils during January-May were reported by the department as follows:—

Babassu kernels	lbs.	32,393,000
Babassu oil	lbs.	1,676,000
Castor beans	lbs.	[1]107,589,000
Castor oil	lbs.	15,226,000
Flaxseed	bu.	2,000
Linseed oil	lbs.	66,000
Copra	short tons.	[2]161,037
Coconut oil	lbs.	49,776,000
Oiticica oil	lbs.	2,748,000
Olive oil:		
Edible	lbs.	24,570,000
Inedible	lbs.	865,000
Palm oil	lbs.	16,633,000
Sesame seed	lbs.	5,088,000
Tea seed oil	lbs.	[3]
Tucum kernels	lbs.	9,590,000
Tung oil	lbs.	29,817,000
Sesame oil, edible	lbs.	206,000
Rapeseed oil, denatured	lbs.	1,464,000
Herring oil	lbs.	6,065,000

[1] As a result of a revision in January, 1950, accumulative figures for January-April should read 94,361,000 pounds.
[2] Due to a revision in January, 1950, accumulative figures for January-April should read 129,031 short tons.
[3] Less than 500 pounds.

Lard exports, including neutral, during January-May were reported by the department as follows—

	Short tons
North America:	
Canada (incl. Newfoundland, Labrador)	1,475
Costa Rica	555
Cuba	28,697
Dominican Republic	.....
Guatemala	1,076
Haiti	1,307
Mexico	6,264
Netherlands Antilles	1,066
Panama, Canal Zone	145
Panama, Republic of	1,159
Other	902
Total	42,646
South America:	
Brazil	19
Colombia	144
Ecuador	119
Peru	3,341
Venezuela	1,544
Other	167
Total	5,334
Europe:	
Austria	15,438
Belgium-Luxembourg	910
Czechoslovakia	26
France	.....
Germany	47,671
Greece	.....
Italy	572
Netherlands	6,972
Poland and Danzig	300
Switzerland	936
United Kingdom	.....
Yugoslavia	1,616
Other	1,530
Total	75,971
Soviet Union	.....
Asia	3,458
Africa	28
Oceania	.....
Grand total	127,437

Inedible tallow exports during January-May were reported by the department as follows:—

	Short tons
North America:	
Canada (incl. Newfoundland, Labrador)	4,361
Costa Rica	.....
Cuba	5,199
Dominican Republic	775
Guatemala	493
Mexico	416
Panama, Republic of	140
British West Indies	332
Other	428
Total	12,144
South America:	
Colombia	2,315
Ecuador	349
Peru	1,432
Venezuela	1,601
Other	20
Total	5,717
Europe:	
Austria	1,603
Belgium-Luxembourg	10,288
Czechoslovakia	551
France	101
Germany	238
Italy	11,478
Netherlands	4,712
Norway	1,153
Poland and Danzing	.....
Switzerland	3,670
United Kingdom	1,595
Other	2,477
Total	37,866
Asia:	
Japan	989
Philippines, Republic of	3,620
Other	2,142
Total	6,751
Africa:	
Union of South Africa	8,071
Other	1,077
Total	9,148
Grand total	71,626

Edible tallow exports during January-May were reported by the department as follows:—

	Short tons
North America:	
Canada	148
Cuba	113
Mexico	60
Other	162
Total	483
South America	67
Europe:	
Austria	.....
Germany	76
Greece	.....
Netherlands	64
Sweden	.....
Switzerland	297
United Kingdom	.....
Others	359
Total	796
Asia	116
Africa	73
Grand total	1,535

Fertilizer Market

—*Continued from page 45*

the off season for moth control the supply position is definitely tight. Cutback production and the shortage of benzol and chlorine are the primary factors contributing to the current scarcity.

Pyrethrum—March importations were low for the first quarter although the January-March total was 3,037,000 pounds, an increase of 39 percent over the same period in 1949. The Kenya production this year is estimated at 2,500 tons.

Rotenone—Importations in the first quarter totaled 2,568,000 pounds, mostly all cube root from Peru, an increase of 15 percent over the same period last year.

A report from Rio de Janeiro states farmers account for about 75 percent of Brazilian consumption of the new organic pest-control products. The Malaria Service is the next most important user—20 percent. Manufacturers of household insecticides and the Brazilian Army use most of the remainder. Benzene hexachloride, DDT, thiophosphate, and toxaphene account for the bulk of the organic insecticides consumed. Other products used are chlordane, 2,4-D, 1080, and Antu.

Sulphur

Sulphur—Maintenance of heavy consuming demand has kept the market firm. The call for use in the manufacture of sulphuric acid has continued particularly strong throughout the past month. Mine shipments were steady with transportation facilities not a problem at the present time.

Oils, Fats and Waxes

—*Continued from page 75*

Carnauba—Consumers and dealers were in the market for supplies and prices were advanced daily. Offerings were readily snapped up. Some sellers withdrew from the market as stocks were cleaned up. Supplies here were materially reduced and offerings for shipment continued scarce. Prices were entirely nominal at press time as sellers limited sales only to regular customers. No. 3 crude, 80c. to 85c. per pound, and refined 86c. to 90c., on spot; No. 1, yellow, $1.05 to $1.10 and No. 2, $1.03 to $1.08 per pound, according to seller and buyer.

Ouricury — Refined also was stronger and advanced 5c. per pound. Sales were reported at 80c. per pound, with prices ranging up to 85c., as to seller.

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Oil Industry Information Committees Number 3,500

Since the first of this year there has been a 40 percent increase in the number of local committees participating in the nationwide oil industry information committee program, it was disclosed last week by John M. Lovejoy, chairman of the public relations committee of the American Petroleum Institute's board of directors and president of the Seaboard Oil Company of Delaware. On July 1, API had 3,500 committees in the field. Mr. Lovejoy said, an increase of 1,000 since the beginning of the year. This total does not include groups in five west coast states which recently were organized to participate in the observance of oil progress week, October 15 to 21.

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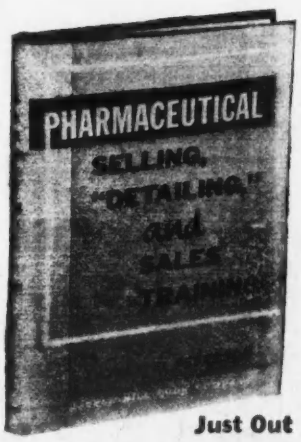

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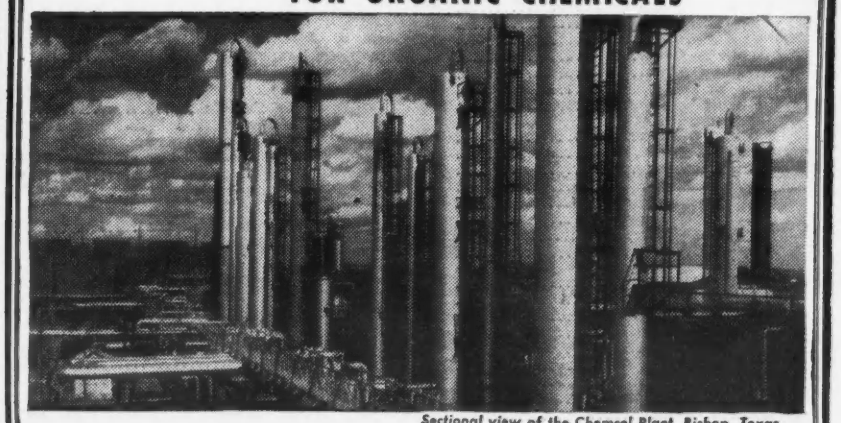

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